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Checklist

# A preliminary checklist of the Diptera of Armenia

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## Abstract

This paper presents the first comprehensive checklist of the Diptera of Armenia, encompassing 53 families and more than 1361 species, including 106 species recorded for the first time in the country. These new records significantly expand the known dipteran fauna of the region, highlighting both the biological richness of Armenia and the substantial gaps that remain in our knowledge of the Diptera of the region. New records are given in the families Anthomyiidae, Muscidae, Scathophagidae and Sciomyzidae. The checklist has been compiled through a synthesis of historical literature, museum collections, and recent field surveys, and will provide an essential reference point for future faunistic, ecological, and conservation studies. Given the ecological sensitivity of many dipteran groups and their utility as bioindicators, this baseline inventory will contribute not only to taxonomy and biogeography but also to broader environmental monitoring efforts within Armenia.

**Key words:** Arthropods, biodiversity, insects, invertebrates, Caucasus

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## Introduction

Armenia is located at the crossroads of the Caucasus ecoregion, which is a unique and rich biodiversity hotspot with complex topography and various climatic zones (Myers et al. 2000; Zazanashvili et al. 2004). Armenia is estimated to have a total animal diversity of 17,000 species including 12,000 species of insects; more than 300 species of animals are presented as endemic to the country (Fayvush 2023). Among insects, Diptera are one of the more poorly studied orders of insects. The earliest works from Armenia cover the family Simuliidae (Terterian 1968), while some pest species were studied in the 1970s (Avetyan and Mirzoyan 1976; Mirzoyan 1977). The few works that included family records from Armenia covered the Caucasus region in general or the entire USSR (Rohdendorf 1937; Paramonov 1940; Richter 1968), and consequently there are very few records from Armenia for most families. Most of the works regarding different families are scattered in different publications and catalogues which necessitates the creation of a united list of all publicly available data for Diptera of Armenia.

The goal of this study was to create a checklist of all known Diptera for Armenia.

## Materials and methods

Records have been obtained from published research articles, books, and catalogues, and also from on-line catalogues of some individual families. These sources reveal that the sampling of different families of the Armenian Diptera has taken place at various times in the past, according to the specialities of individual investigators. Fundamental to our work has been the Catalogue of Palaearctic Diptera (Soós and Papp 1984–1993). Catalogues and monographs of individual families are mentioned below under the relevant family. Most names have been checked for their availability and validity with the on-line *Systema Dipterorum* (Evenhuis and Pape 2025). The presented format for the checklist is arranged alphabetically within two broad categories of Brachycera and "Nematocera".

New records in the present checklist will be found in the family Anthomyiidae, based on collections in the Oxford University Museum of Natural History, UK; in the Muscidae, in the Zoological Institute, Russian Academy of Sciences, St Petersburg, Russia; and in the Sciomyzidae and Scathophagidae, in the Natural History Museum, London, UK.

This checklist does not include species that have been recorded simply from the "Caucasus" or from "Transcaucasus". The species recorded here in this checklist have all been listed at least from "Armenia", although frequently specific localities have also been mentioned.

## Results

The number of species in each family of Diptera known from Armenia are given below (Table 1).

**Table 1.** Checklist of the Diptera of Armenia.

| N | Family | Number of recorded species | Number of new records |
|---|---|---|---|
| **Brachycera** | | | |
| 1 | Agromyzidae | 12 | 0 |
| 2 | Anthomyiidae | 4 | 71 |
| 3 | Anthomyzidae | 1 | 0 |
| 4 | Asilidae | 39 | 0 |
| 5 | Bombyliidae | 253 | 0 |
| 6 | Calliphoridae | 28 | 0 |
| 7 | Chamaemyiidae | 19 | 0 |
| 8 | Chloropidae | 8 | 0 |
| 9 | Conopidae | 18 | 0 |
| 10 | Curtonotidae | 1 | 0 |
| 11 | Dolichopodidae | 25 | 0 |
| 12 | Drosophilidae | 2 | 0 |
| 13 | Empididae | 10 | 0 |
| 14 | Ephydridae | 16 | 0 |
| 15 | Fanniidae | 20 | 0 |
| 16 | Hybotidae | 3 | 0 |
| 17 | Lauxaniidae | 1 | 0 |
| 18 | Micropezidae | 1 | 0 |

| N | Family | Number of recorded species | Number of new records |
|---|---|---|---|
| 19 | Muscidae | 184 | 24 |
| 20 | Mythicomyiidae | 5 | 0 |
| 21 | Opomyzidae | 2 | 0 |
| 22 | Phaeomyiidae | 1 | 0 |
| 23 | Piophilidae | 1 | 0 |
| 24 | Platystomatidae | 7 | 0 |
| 25 | Rhinophoridae | 1 | 0 |
| 26 | Sarcophagidae | 83 | 0 |
| 27 | Scathophagidae | 2 | 6 |
| 28 | Sciomyzidae | 11 | 5 |
| 29 | Sepsidae | 18 | 0 |
| 30 | Sphaeroceridae | 6 | 0 |
| 31 | Stratiomyidae | 22 | 0 |
| 32 | Tabanidae | 36 | 0 |
| 33 | Tachinidae | 68 | 0 |
| 34 | Tephritidae | 12 | 0 |
| 35 | Therevidae | 8 | 0 |
| 36 | Ulidiidae | 2 | 0 |
| **“Nematocera”** | | | |
| 37 | Anisopodidae | 2 | 0 |
| 38 | Bibionidae | 4 | 0 |
| 39 | Blephariceridae | 1 | 0 |
| 40 | Cecidomyiidae | 126 | 0 |
| 41 | Ceratopogonidae | 49 | 0 |
| 42 | Chironomidae | 7 | 0 |
| 43 | Culicidae | 31 | 0 |
| 44 | Dixidae | 3 | 0 |
| 45 | Keroplatidae | 3 | 0 |
| 46 | Limoniidae | 62 | 0 |
| 47 | Mycetophilidae | 5 | 0 |
| 48 | Pediciidae | 5 | 0 |
| 49 | Psychodidae | 37 | 0 |
| 50 | Ptychopteridae | 2 | 0 |
| 51 | Scatopsidae | 3 | 0 |
| 52 | Simuliidae | 60 | 0 |
| 53 | Tipulidae | 31 | 0 |
| | **Total** | **1361** | **106** |

The species listed below with “*” are new records for Armenia.

## Diptera: Brachycera

### Agromyzidae

The family Agromyzidae contains many species that are pests of various crops and vegetables, and these have been studied in Armenia by several authors (Avetyan and Mirzoyan 1976; Mirzoyan 1977). Their distribution may be restricted to specific host-plants in specific areas, or may cover large parts or even the whole of Armenia.

1. *Agromyza salicifolii* Collin, 1911
2. *Aulagromyza tridentata* (Loew, 1858)
3. *Cerodontha denticornis* (Panzer, 1806)
4. *Cerodontha incisa* (Meigen, 1830)
5. *Euhexomyza schineri* (Giraud, 1862)
6. *Euhexomyza simplicoides* (Hendel, 1920)
7. *Liriomyza strigata* (Meigen, 1830)
8. *Phytagromyza hendeliana* Hering, 1926
9. *Phytobia elaeagni* Rohdendorf-Holmanová, 1959
10. *Phytomyza atricornis* Meigen, 1838
11. *Phytomyza potentillae* (Kaltenbach, 1864)
12. *Phytomyza xylostei* Goureau, 1851

**Anthomyiidae**

The list of Anthomyiidae also includes published records of several species that are serious agricultural pests in Armenia, such as *Delia platura*, and that are predators of black flies (Avetyan and Mirzoyan 1976; Ackland and Werner 2006). The list below is based on collections made by ACP in all parts of Armenia which were identified by the late Michael Ackland (UK) and which are now deposited in the Oxford University Museum of Natural History (UK).

1. **Acyglossa atramentaria* (Meigen, 1826)
2. **Adia cinerella* (Fallén, 1825)
3. **Alliopsis billbergi* (Zetterstedt, 1838)
4. **Alliopsis pilitarsis* (Stein, 1900)
5. **Alliopsis simulivora* Ackland in Ackland & Werner, 2006
6. **Anthomyia liturata* (Robineau-Desvoidy, 1830)
7. **Anthomyia pluvialis* (Linnaeus, 1758)
8. **Anthomyia procellaris* Rondani, 1866
9. **Botanophila discreta* (Meigen, 1826)
10. **Botanophila dissecta* (Meigen, 1826)
11. **Botanophila extensa* Ackland, 2008
12. **Botanophila fugax* (Meigen, 1826)
13. **Botanophila intermedia* (Zetterstedt, 1860)
14. **Botanophila turcica* (Hennig, 1972)
15. **Botanophila varicolo*r (Meigen, 1826)
16. **Botanophila verticella* (Zetterstedt, 1838)
17. **Calythea nigricans* (Robineau-Desvoidy, 1830)
18. **Delia angustaeformis* (Ringdahl, 1933)
19. **Delia antiqua* (Meigen, 1826)
20. **Delia bracata* (Rondani, 1866)
21. **Delia cardui* (Meigen, 1826)
22. **Delia carduiformis* (Schnabl in Schnabl & Dziedzicki, 1911)
23. *Delia coarctata* (Fallén, 1825)
24. **Delia cuneata* Tiensuu, 1946
25. **Delia echinata* (Séguy, 1923)
26. **Delia giresunensis* Hennig, 1974

27. *Delia floralis* (Fallén, 1824)
28. **Delia hirticrura* (Rondani, 1871)
29. **Delia lophota* (Pandellé, 1900)
30. **Delia majuscula* (Pokorny, 1889)
31. **Delia megatricha* (Kertész, 1901)
32. **Delia penicilliventris* Ackland, 2010
33. **Delia penicillosa* Hennig, 1974
34. *Delia platura* (Meigen, 1826)
35. **Delia podagricicauda* Xue, 1997
36. **Delia radicum* (Linnaeus, 1758)
37. **Enneastigma compressum* (Stein, 1916)
38. **Eutrichota inornata* (Loew, 1873)
39. **Heterostylodes nominabilis* (Collin, 1947)
40. **Heterostylodes obscura* (Macquart, 1835)
41. **Hydrophoria linogrisea* (Meigen, 1826)
42. **Hydrophoria ruralis* (Meigen, 1826)
43. **Hydrophoria silvicola* (Robineau-Desvoidy, 1830)
44. **Hylemya nigrimana* (Meigen, 1826)
45. **Hylemya partita* (Meigen, 1826)
46. **Hylemya urbica* (Wulp, 1896)
47. **Hylemya vagans* (Panzer, 1798)
48. **Hylemya variata* (Fallén, 1823)
49. **Lasiomma seminitidum* (Zetterstedt, 1845)
50. **Lasiomma strigilatum* (Zetterstedt, 1838)
51. **Leucophora cinerea* Robineau-Desvoidy, 1830
52. **Leucophora personata* (Collin, 1922)
53. **Leucophora sponsa* (Meigen, 1826)
54. **Leucophora unistriata* (Zetterstedt, 1838)
55. **Paradelia intersecta* (Meigen, 1826)
56. **Paregle audacula* (Harris, 1780)
57. **Pegomya bicolor* (Wiedemann, 1817)
58. **Pegomya conformis* (Fallén, 1825)
59. **Pegomya cunicularia* (Rondani, 1866)
60. **Pegomya flavifrons* (Walker, 1849)
61. **Pegomya geniculata* (Bouché, 1834)
62. **Pegomya hybernae* Michelsen, 1988
63. *Pegomya hyoscyami* (Panzer, 1809)
64. **Pegomya meridiana* (Villeneuve, 1923)
65. **Pegomya sollennis* (Meigen, 1826)
66. **Pegomya ulmaria* (Rondani, 1866)
67. **Pegoplata aestiva* (Meigen, 1826)
68. **Pegoplata infirma* (Meigen, 1826)
69. **Phorbia curvicauda* (Zetterstedt, 1845)
70. **Phorbia fumigata* (Meigen, 1826)
71. **Phorbia genitalis* (Schnabl in Schnabl & Dziedzicki, 1911)
72. **Phorbia lobata* (Huckett, 1929)
73. *Phorbia securis* Tiensuu, 1935
74. **Subhylemyia longula* (Fallén, 1824)
75. **Zaphne divisa* (Meigen, 1826)

### Anthomyzidae

Only a single record has been found for this family, in Roháček (2006) where Armenia is included in the distribution of this species.

1. *Anthomyza gracilis* Fallén, 1823

### Asilidae

The earliest records for Asilidae are found in the monograph by Richter (1968). Further records are given by Ghahari et al. (2007, 2014) and Mohammadi and Khaghaninia (2016). *Machimus erevanensis* Richter, 1963 and *Satanas gigas* Evermann, 1885 are included in the Red Book of Armenia (2010).

1. *Acnephalum leucostomum* (Engel, 1930)
2. *Acnephalum mixtum* (Loew, 1847)
3. *Anarolius jubatus* Loew, 1844
4. *Cerdistus denticulatus* (Loew, 1849)
5. *Cerdistus manii* Schiner, 1867
6. *Crobilocerus megilliformis* (Loew, 1847)
7. *Didysmachus picipes* (Meigen, 1820)
8. *Dysmachus bilobus* Loew, 1871
9. *Dysmachus dasyproctus* Loew, 1871
10. *Dysmachus stylifer* (Loew, 1854)
11. *Eremisca araratica* Richter, 1966
12. *Eutolmus calopus* (Loew, 1848)
13. *Eutolmus parricida* (Loew, 1848)
14. *Habropogon doriae* Rondani, 1873
15. *Heteropogon lehri* Richter, 1968
16. *Heteropogon mesasiaticus* Lehr, 1970
17. *Holopogon imbecillus* Loew, 1871
18. *Lamyra fimbriata* (Meigen, 1820)
19. *Lamyra fuliginosa* (Panzer, 1803)
20. *Laphria dizonias* Loew, 1847
21. *Lasiopogon avetianae* Richter, 1962
22. *Leptogaster armeniaca* Paramonov, 1930
23. *Leptogaster calceata* Engel, 1925
24. *Machimus erevanensis* Richter, 1963
25. *Molobratia egregia* (Loew, 1869)
26. *Neoitamus senectus* Richter, 1963
27. *Neomochtherus perplexus* (Becker, 1923)
28. *Neomochtherus rossicus* Engel, 1927
29. *Neopsilocurus hypopygialis* (Paramanov, 1930)
30. *Ommatius stackelbergi* (Richter, 1960)
31. *Pegesimallus mesasiaticus* (Lehr, 1958)
32. *Satanas gigas* Evermann, 1885
33. *Stenopogon callosus* (Pallas &Wiedemann, 1818)
34. *Stenopogon mollis* Loew, 1868
35. *Stenopogon nataliae* Richter, 1963

36. *Stichopogon callidus* Richter, 1966
37. *Stichopogon elegantulus* (Meigen & Wiedemann, 1820)
38. *Stichopogon venustus* Richter, 1963
39. *Tolmerus richterae* Lehr, 1981.

**Bombyliidae**

This is the largest and one of the best-researched Diptera families in Armenia. Many species have been described or recorded from Armenia by Paramonov (1940). The list below is based on the world catalogue published by Evenhuis and Greathead (1999; 2003; 2015).

1. *Amictus pictus* Loew, 1869
2. *Amictus validus* Loew, 1869
3. *Anastoecbus araxis* Paramonov, 1926
4. *Anastoechus caucasicus* Paramonov, 1930
5. *Anastoechus exalbidus* (Meigen & Wiedemann, 1820)
6. *Anastoechus fulvescens* Becker in Becker & Stein, 1913
7. *Anastoechus hyrcanus* (Pallas & Wiedemann, 1818)
8. *Anastoechus mylabricida* Zakhvatkin, 1934
9. *Anastoechus nigricirratus* Becker & Stein, 1913
10. *Anastoechus trisignatus* (Portschinsky, 1881)
11. *Anastoechus zimini* Paramonov, 1940
12. *Anthrax alagoezicus* Paramonov, 1935
13. *Anthrax anthrax* (Schrank, 1781)
14. *Anthrax armeniacus* Paramonov, 1935
15. *Anthrax chionostigma* Tsacas, 1962
16. *Anthrax erythrogaster* Paramonov, 1935
17. *Anthrax incitus* Paramonov, 1935
18. *Anthrax jazykovi* Zakhvaktin, 1934
19. *Anthrax leucogaster* Meigen & Wiedemann, 1820
20. *Anthrax monacha* (Sack, 1909)
21. *Anthrax pilosulus* Strobl, 1902
22. *Anthrax repetekianus* Paramonov, 1935
23. *Anthrax shelkovnikovi* Paramonov, 1935
24. *Anthrax sticticus* Klug, 1832
25. *Anthrax varius* Fabricius, 1794
26. *Anthrax virgo* Egger, 1859
27. *Antonia arenacea* Paramonov, 1933
28. *Antonia armeniaca* Paramonov, 1929
29. *Aphoebantus armeniacus* Paramonov, 1925
30. *Apolysis dolichorostris* Evenhuis & Greathead, 1999
31. *Beckerellus androgynus* (Loew, 1855)
32. *Bombomyia discoideus* (Fabricius, 1794)
33. *Bombomyia vertebralis* Dufour, 1833
34. *Bombylella atra* (Scopoli, 1763)
35. *Bombylisoma breviusculum* (Loew, 1855)
36. *Bombylisoma croaticum* (Kertész, 1901)
37. *Bombylisoma flavibarbum* (Loew, 1855)

38. *Bombylisoma melanocephalum* (Fabricius, 1794)
39. *Bombylisoma minimum* (Scopoli, 1771)
40. *Bombylisoma nigriceps* (Loew, 1862)
41. *Bombylisoma unicolor* (Loew, 1855)
42. *Bombylius alexanderi* Paramonov, 1940
43. *Bombylius ambustus* Pallas & Wiedemann, 1818
44. *Bombylius analis* Olivier, 1789
45. *Bombylius apicalis* Meigen, 1820
46. *Bombylius armeniacus* Paramonov, 1925
47. *Bombylius candidus* Loew, 1855
48. *Bombylius canescens* Mikan, 1796
49. *Bombylius cinerarius* Pallas & Wiedemann, 1818
50. *Bombylius cinerascens* Mikan, 1796
51. *Bombylius citrinus* Loew, 1855
52. *Bombylius discolor* Mikan, 1796
53. *Bombylius fimbriatus* Meigen, 1820
54. *Bombylius floccosus* Loew, 1857
55. *Bombylius fuscus* Fabricius, 1781
56. *Bombylius iranicus* Paramonov, 1940
57. *Bombylius major* Linnaeus, 1758
58. *Bombylius medius* Linnaeus, 1758
59. *Bombylius megacephalus* Portschinsky, 1887
60. *Bombylius minor* Linnaeus, 1758
61. *Bombylius modestus* Loew, 1873
62. *Bombylius mus* Bigot, 1862
63. *Bombylius niveus* Meigen, 1804
64. *Bombylius nubilus* Mikan, 1796
65. *Bombylius posticus* Fabricius, 1805
66. *Bombylius pumilus* Meigen, 1820
67. *Bombylius quadrifarius* Loew, 1855
68. *Bombylius repeteki* Paramonov, 1940
69. *Bombylius semifuscus* Meigen, 1820
70. *Bombylius shah* Paramonov, 1940
71. *Bombylius shelkovnikovi* Paramonov, 1926
72. *Bombylius testaceiventris* Paramonov, 1925
73. *Bombylius torquatus* Loew, 1855
74. *Bombylius trichurus* Wiedemann, 1818
75. *Bombylius venosus* Mikan, 1796
76. *Bombylius vlasovi* Paramonov, 1940
77. *Caecanthrax arabicus* (Macquart, 1840)
78. *Callostoma fascipenne* Macquart, 1840
79. *Chalcochiton pallasii* (Loew, 1856)
80. *Cononedys armenica* Paramonov, 1925
81. *Conophorus caucasicus* Zaitzev, 1960
82. *Conophorus glaucescens* (Loew, 1863)
83. *Conophorus nobilis* (Loew, 1873)
84. *Conophorus paraduncus* Paramonov, 1929
85. *Conophorus rjabovi* Paramonov, 1929
86. *Conophorus rossicus* Paramonov, 1929

87. *Conophorus syriacus* Paramonov, 1929
88. *Conophorus talyshensis* Zaitzev, 1960
89. *Conophorus virescens* (Fabricius, 1787)
90. *Cyllenia marginata* Loew, 1846
91. *Cyllenia rustica* (Rossi, 1790)
92. *Cytherea araxana* Paramonov, 1930
93. *Cytherea dispar* (Loew, 1873)
94. *Cytherea fenestrulata* (Loew, 1873)
95. *Cytherea elegans* Paramonov, 1930
96. *Cytherea infuscata* (Meigen, 1820)
97. *Cytherea melaleuca* (Loew, 1873)
98. *Cytherea obscura* (Fabricius, 1794)
99. *Cytherea persicanus* (Becker, 1903)
100. *Desmatoneura nivea* (Rossi, 1790)
101. *Eremyia transcaspicus* (Paramonov, 1924)
102. *Exhyalanthrax afer* (Fabricius, 1794)
103. *Exhyalanthrax intermedius* (Paramonov, 1927)
104. *Exhyalanthrax macrops* (Portschinsky, 1887)
105. *Exhyalanthrax melanchlaenus* (Loew, 1869)
106. *Exhyalanthrax muscarius* (Pallas & Wiedemann, 1818)
107. *Exhyalanthrax parvus* (Paramonov, 1927)
108. *Exhyalanthrax stigmula* (Klug, 1832)
109. *Exoprosopa capucina* (Fabricius, 1781)
110. *Exoprosopa cleomene* Egger, 1859
111. *Exoprosopa dedecor* Loew, 1871
112. *Exoprosopa dyonisii* Bigot, 1861
113. *Exoprosopa dispar* (Loew, 1869)
114. *Exoprosopa grandis* (Wiedemann in Meigen, 1820)
115. *Exoprosopa jacchus* (Fabricius, 1805)
116. *Exoprosopa lugens* Paramonov, 1928
117. *Exoprosopa minoides* Paramonov, 1928
118. *Exoprosopa minois* Loew, 1869
119. *Exoprosopa minos* (Meigen, 1804)
120. *Exoprosopa pectoralis* Loew, 1862
121. *Exoprosopa pleskei* Paramonov, 1928
122. *Exoprosopa rivularis* Meigen, 1820
123. *Exoprosopa rutila* Pallas & Wiedemann, 1818
124. *Geron auratus* Zaitzev, 1962
125. *Geron canescens* Zaitzev, 1962
126. *Geron griseus* Zaitzev, 1962
127. *Geron kozlovi* Zaitzev, 1972
128. *Geron krymensis* Paramonov, 1929
129. *Geron albifacies* Bezzi, 1924
130. *Hemipenthes caucasica* Zaitzev, 1966
131. *Hemipenthes exoprosopoides* Paramonov, 1928
132. *Hemipenthes hamifera* (Loew, 1854)
133. *Hemipenthes maura* (Linnaeus, 1758)
134. *Hemipenthes mischanensis* Paramonov, 1927
135. *Hemipenthes morio* (Linnaeus, 1758)

136. *Hemipenthes noscibilis* (Austen, 1937)
137. *Hemipenthes robusta* Zaitzev, 1966
138. *Hemipenthes subvelutina* Zaitzev, 1966
139. *Hemipenthes tushetica* Zaitzev, 1966
140. *Hemipenthes velutina* (Meigen, 1820)
141. *Heteralonia aeaca* (Meigen, 1804)
142. *Heteralonia aegina* (Wiedemann, 1828)
143. *Heteralonia araxana* (Paramonov, 1928)
144. *Heteralonia bagdadensis* (Macquart, 1840)
145. *Heteralonia kirgizorum* (Paramonov, 1928)
146. *Heteralonia latiuscula* (Loew, 1873)
147. *Heteralonia megerlei* (Meigen, 1820)
148. *Heteralonia melanoptera* (Pallas & Wiedemann, 1818)
149. *Heteralonia punctinervis* (Becker & Stein, 1913)
150. *Heteralonia subfasciata* (Engel, 1936)
151. *Heteralonia suffusa* (Klug, 1832)
152. *Legnotomyia erivanensis* (Paramonov, 1925)
153. *Legnotomyia singularis* (Macquart, 1846)
154. *Ligyra ferrea* (Walker, 1849)
155. *Lomatia armeniaca* Paramonov, 1924
156. *Lomatia belzebul* (Fabricius, 1794)
157. *Lomatia erinnys* Loew, 1869
158. *Lomatia flavitibia* Zaitzev, 1966
159. *Lomatia lachesis* Egger, 1859
160. *Lomatia lateralis* (Meigen, 1820)
161. *Lomatia meridiana* Paramonov, 1925
162. *Lomatia montana* Paramonov, 1924
163. *Lomatia persica* Paramonov, 1924
164. *Lomatia polyzona* Loew, 1869
165. *Lomatia rogenhoferi* Nowicki, 1868
166. *Lomatia shelkovnikovi* Paramonov, 1924
167. *Lomatia tisiphone* Loew in Schiner, 1860
168. *Mariobezzia armeniaca* Zaitzev, 1966
169. *Micomitra iris* (Loew, 1869)
170. *Micomitra shelkovnikovi* (Paramonov, 1928)
171. *Micomitra stupida* (Rossi, 1790)
172. *Oestranthrax karavajevi* Paramonov, 1931
173. *Oligodranes superbus* Engel, 1933
174. *Pachyanthrax telamon* (Loew, 1869)
175. *Petrorossia albula* Zaitzev, 1962
176. *Petrorossia caucasica* Zaitzev, 1962
177. *Petrorossia chraminensis* Zaitzev, 1962
178. *Petrorossia deserticola* Zaitzev, 1966
179. *Petrorossia flavipennis* Zaitzev, 1966
180. *Petrorossia fusca* Zaitzev, 1966
181. *Petrorossia hespera* (Rossi, 1790)
182. *Petrorossia lucidipennis* Zaitzev, 1966
183. *Petrorossia modesta* Zaitzev, 1966
184. *Petrorossia rufiventris* Zaitzev, 1966

185. *Phthiria canescens* Loew, 1846
186. *Phthiria grisea* Zaitzev, 1966
187. *Phthiria pulicaria* (Mikan, 1796)
188. *Phthiria quadrinotata* Loew, 1873
189. *Phthiria subnitens* Loew, 1846
190. *Phthiria umbripennis* Loew, 1846
191. *Phthiria vagans* Loew, 1846
192. *Prorachthes beckeri* Paramonov, 1927
193. *Prorachthes pleskei* Paramonov, 1927
194. *Satyramoeba hetrusca* (Fabricius, 1794)
195. *Spogostylum aethiops* (Fabricius, 1781)
196. *Spogostylum caucasicum* (Zaitzev, 1961)
197. *Spogostylum dubium* (Zaitzev, 1961)
198. *Spogostylum isis* (Meigen, 1820)
199. *Spogostylum rufulum* (Zaitzev, 1961)
200. *Spogostylum stackelbergi* (Paramonov, 1957)
201. *Spogostylum tripunctatum* (Wiedemann, 1820)
202. *Spogostylum zaitzevi* Evenhuis & Greathead, 1999
203. *Stomylomyia araxana* Paramonov, 1925
204. *Stomylomyia europaea* (Loew, 1869)
205. *Stomylomyia pusilla* Bezzi, 1925
206. *Systoechus autumnalis* (Pallas & Wiedemann, 1818)
207. *Systoechus ctenopterus* (Mikan, 1796)
208. *Systoechus gomezmenori* Andréu Rubio, 1959
209. *Systoechus gradatus* (Meigen & Wiedemann, 1820)
210. *Systoechus longirostris* Becker, 1916
211. *Systoechus lucidus* (Loew, 1855)
212. *Systoechus microcephalus* (Loew, 1855)
213. *Thyridanthrax dagniensis* Paramonov, 1933
214. *Thyridanthrax elegans* (Wiedemann, 1818)
215. *Thyridanthrax fenestratus* (Fallén, 1814)
216. *Thyridanthrax incanus* (Klug, 1832)
217. *Thyridanthrax lotus* Loew, 1869
218. *Thyridanthrax obliteratus* (Loew, 1862)
219. *Thyridanthrax perspicillaris* (Loew, 1869)
220. *Thyridanthrax polyphemus* (Wiedemann, 1820)
221. *Thyridanthrax rubriventris* (Paramonov, 1927)
222. *Toxophora epargyra* Hermann, 1907
223. *Toxophora fasciculata* (Villers, 1789)
224. *Toxophora psammophila* Paramonov, 1933
225. *Toxophora shelkovnikovi* Paramonov, 1933
226. *Triplasius pictus* (Panzer, 1794)
227. *Usia atrata* (Fabricius, 1798)
228. *Usia aurata* (Fabricius, 1794)
229. *Usia crinipes* Becker, 1906
230. *Usia transcaspica* Paramonov, 1950
231. *Veribubo albinus* (Becker & Stein, 1913)
232. *Veribubo desertus* (Zaitzev, 1966)
233. *Veribubo heteropterus* (Paramonov, 1927)

234. *Veribubo misellus* (Loew, 1869)
235. *Villa abbadon* (Fabricius, 1794)
236. *Villa brunnea* Becker, 1916
237. *Villa cana* Meigen, 1804
238. *Villa chorassani* (Becker & Stein, 1913)
239. *Villa cingulata* (Meigen, 1804)
240. *Villa claripennis* (Kowarz, 1868)
241. *Villa fasciata* (Meigen, 1804)
242. *Villa fasciculata* Becker, 1916
243. *Villa haesitans* Becker, 1916
244. *Villa halteralis* (Kowarz, 1883)
245. *Villa hottentota* (Linnaeus, 1758)
246. *Villa ixion* Fabricius, 1794
247. *Villa melanurus* (Loew, 1869)
248. *Villa modesta* (Meigen, 1820)
249. *Villa niphobleta* Loew, 1869
250. *Villa occulta* (Meigen & Wiedemann, 1820)
251. *Villa paniscus* Rossi, 1790
252. *Villa tomentosa* Becker, 1916
253. *Villa ventruosus* (Loew, 1869)

**Calliphoridae**

Several authors (Avetyan and Mirzoyan 1976; Rognes 2019; Cerretti et al. 2020; Gisondi et al. 2020) has dealt with the species of this family, which includes a number of species of considerable hygienic, medical, and veterinary importance.

1. *Bellardia bayeri* (Jacentkovský, 1937)
2. *Bellardia vulgaris* (Robineau-Desvoidy, 1830)
3. *Calliphora rohdendorfi* (Grunin, 1966)
4. *Calliphora vicina* Robineau-Desvoidy, 1830
5. *Calliphora vomitoria* (Linnaeus, 1758)
6. *Chrysomya albiceps* (Wiedemann, 1819)
7. *Lucilia ampullacea* Villeneuve, 1922
8. *Lucilia bufonivora* Moniez, 1876
9. *Lucilia caesar* (Linnaeus, 1758)
10. *Lucilia richardsi* Collin, 1926
11. *Lucilia sericata* (Meigen, 1826)
12. *Lucilia silvarum* (Meigen, 1826)
13. *Melinda gentilis* Robineau-Desvoidy, 1830
14. *Melinda viridicyanea* (Robineau-Desvoidy, 1830)
15. *Pollenia agneteae* Rognes, 2019
16. *Pollenia amentaria* (Scopoli, 1763)
17. *Pollenia bulgarica* Jacentkovský, 1939
18. *Pollenia dasypoda* Portschinsky, 1881
19. *Pollenia griseotomentosa* (Jacentkovský, 1944)
20. *Pollenia grunini* Rognes, 1988

21. *Pollenia mystica* Rognes, 1988
22. *Pollenia paragrunini* Rognes, 1988
23. *Pollenia pediculata* Macquart, 1834
24. *Pollenia rudis* (Fabricius, 1794)
25. *Pollenia viatica* Robineau-Desvoidy, 1830
26. *Protocalliphora azurea* (Fallén, 1817)
27. *Protophormia terraenovae* (Robineau-Desvoidy, 1830)
28. *Tromodesia shachrudi* (Rohdendorf, 1935)

**Chamaemyiidae**

The records from this family are from volume 9 of the Catalogue of Palearctic Diptera (Soós and Papp 1984).

1. *Chamaemyia emiliae* Tanasijtshuk, 1970
2. *Chamaemyia juncorum* (Fallén, 1823)
3. *Chamaemyia polystigma* (Meigen, 1830)
4. *Leucopis alticeps* Czerny, 1936
5. *Leucopis annulipes* Zetterstedt, 1848
6. *Leucopis compacta* Tanasijtshuk, 1972
7. *Leucopis glyphinivora* Tanasijtshuk, 1958
8. *Leucopis grandis* Tanasijtshuk, 1958
9. *Leucopis melanopus* Tanasijtshuk, 1959
10. *Leucopis ninae* Tanasijtshuk, 1966
11. *Leucopis palumbi* Rondani, 1872
12. *Leucopis pseudomelanopus* Tanasijtshuk, 1961
13. *Leucopis revisenda* Tanasijtshuk, 1970
14. *Leucopis rufitarsis* Tanasijtshuk, 1972
15. *Leucopis silesiaca* Egger, 1862
16. *Leucopis pallidolineata* Tanasijtshuk, 1961
17. *Parochthiphila coronata* (Loew, 1858)
18. *Parochthiphila nigripes* (Strobl, 1900)
19. *Parochthiphila phragmitis* Tanasijtshuk, 1963

**Chloropidae**

Several species of Chloropidae have been listed as agricultural pests in Armenia (Avetyan and Mirzoyan 1976) and a new species was described from Armenia by Dely-Draskovits (1979).

1. *Assuania thalhammeri* (Strobl, 1893)
2. *Chlorops pumilionis* (Bjerkander, 1778)
3. *Elachiptera cornuta* (Fallén, 1820)
4. *Lasiosina armeniaca* Dely-Draskovits, 1979
5. *Lasiosina cinctipes* (Meigen, 1830)
6. *Meromyza salitatrix* (Linnaeus, 1761)
7. *Oscinella frit* (Linnaeus, 1758)
8. *Oscinella pusilla* (Meigen, 1830)

### Conopidae

Larvae of Conopidae are endoparasitoids of aculeate Hymenoptera and may be deleterious to honeybees (Soós and Papp 1984).

1. *Brachyceratias brevicornis* (Loew, 1847)
2. *Conops* (*Conops*) *flavifrons* Meigen, 1824
3. *Conops* (*Conops*) *flavicauda* (Bigot, 1880)
4. *Conops* (*Conops*) *silacea* Wiedemann, 1824
5. *Dalmannia aculeata* (Linnaeus, 1761)
6. *Dalmannia punctata* (Fabricius, 1794)
7. *Merziella longirostris* (Lyneborg, 1962)
8. *Myopa dorsalis* Fabricius, 1794
9. *Myopa morio* Meigen, 1804
10. *Myopa pallida* Kröber, 1916
11. *Myopotta pallipes* (Wiedemann, 1824)
12. *Physocephala abdominalis* (Kröber, 1915)
13. *Physocephala chrysorrhoea* (Meigen, 1824)
14. *Physocephala pusilla* (Meigen, 1804)
15. *Physocephala vittata* (Fabricius, 1794)
16. *Sicus ferrugineus* (Linnaeus, 1761)
17. *Thecophora distincta* (Wiedemann, 1824)
18. *Zodion cinereum* (Fabricius, 1794)

### Curtonotidae

So far, only one record for this small family is known from Armenia (Roháček 2016).

1. *Curtonotum anus* (Meigen, 1830)

### Dolichopodidae

Armenian records for this family have been listed in volume 7 of the Catalogue of Palearctic Diptera (Soós and Papp 1991).

1. *Campsicnemus curvipes* (Fallén, 1823)
2. *Campsicnemus umbripennis* Loew, 1856
3. *Chrysotus suavis* Loew, 1857
4. *Dolichopus armeniacus* Stackelberg, 1926
5. *Dolichopus excisus* Loew, 1859
6. *Dolichopus nubilus* Meigen, 1824
7. *Hercostomus apollo* (Loew, 1869)
8. *Hercostomus armenorum* Stackelberg, 1934
9. *Hercostomus caucasica* Stackelberg, 1934
10. *Hercostomus chaerophylli* (Meigen, 1824)
11. *Hercostomus chrysozygos* (Wiedemann, 1817)
12. *Hercostomus nigriplantis* (Stannius, 1831)

13. *Hercostomus phoebus* Parent, 1927
14. *Hercostomus rusticus* (Meigen, 1824)
15. *Hercostomus shelkovnikovi* Stackelberg, 1926
16. *Medetera armeniaca* Negrobov, 1972
17. *Medetera plumbella* Meigen, 1824
18. *Medetera verae* Negrobov, 1967
19. *Scellus paramonovi* Stackelberg, 1926
20. *Syntormon pumilus* (Meigen, 1824)
21. *Tachytrechus genualis* Loew, 1857
22. *Tachytrechus kowarzi* Mik, 1864
23. *Tachytrechus notatus* (Stannius, 1831)
24. *Tachytrechus petraeus* Loew, 1871
25. *Tachytrechus ripicola* Loew, 1857

**Drosophilidae**

Some species of Drosophilidae have been listed as agricultural pests in Armenia (Avetyan and Mirzoyan 1976).

1. *Drosophila funebris* (Fabricius, 1787)
2. *Drosophila melanogaster* Meigen, 1830

**Empididae**

The first records of Armenian Empididae are in volume 6 of the Catalogue of Palearctic Diptera (Soós and Papp 1989). Additional records and descriptions are by Shamshev and coauthors (Shamshev 2001; Shamshev 2016; Shamshev and Kustov 2018; Shamshev and Barták 2024).

1. *Dolichocephala monae* Joost, 1981
2. *Empis afipsiensis* Shamshev & Kustov, 2008
3. *Empis caucasica* Bezzi, 1909
4. *Empis crassa* Nowicki, 1868
5. *Empis sevanensis* Shamshev, 2002
6. *Empis tanasijtshuki* Shamshev & Kustov, 2018
7. *Empis tessellata* Fabricius, 1794
8. *Hilara sturmii* Wiedemann in Meigen 1822
9. *Rhamphomyia stepankubiki* Shamshev & Barták, 2024
10. *Rhamphomyia umbripennis* Meigen, 1822

**Ephydridae**

The earliest records for Armenia were given by Avetyan and Mirzoyan (1976). More recent records are from Mathis and Zatwarnicki (1995).

1. *Allotrichoma filiforme* Becker, 1896
2. *Diclasiopa lacteipennis* (Loew, 1862)
3. *Diclasiopa niveipennis* (Becker, 1896)

4. *Ditrichophora rampinii* (Canzoneri & Meneghini, 1975)
5. *Ephydra afghanica* Dahl, 1961
6. *Ephydra glauca* Meigen, 1830
7. *Hydrellia albiceps* (Meigen, 1824)
8. *Hydrellia griseola* Fallén, 1813
9. *Mosillus subsultans* (Fabricius, 1794)
10. *Notiphila dorsata* Stenhammar, 1844
11. *Notiphila graecula* Becker, 1926
12. *Notiphila nigricornis* Stenhammar, 1844
13. *Notiphila riparia* Meigen, 1830
14. *Notiphila venusta* Loew, 1856
15. *Parydra littoralis* (Meigen, 1830)
16. *Psilopa nitidula* Fallen, 1823

**Fanniidae**

The Fanniidae of Armenia have been enumerated in two faunistic papers by Pont (2015, 2017b).

1. *Fannia armata* (Meigen, 1826)
2. *Fannia barbata* (Stein, 1892)
3. *Fannia canicularis* (Linnaeus, 1761)
4. *Fannia caucasica* Pont, 2015
5. *Fannia cothurnata* (Loew, 1873)
6. *Fannia difficilis* (Stein, 1895)
7. *Fannia fuscula* (Fallén, 1825)
8. *Fannia genualis* (Stein, 1895)
9. *Fannia incisurata* (Zetterstedt, 1838)
10. *Fannia lepida* (Wiedemann, 1817)
11. *Fannia monilis* (Haliday, 1838)
12. *Fannia norvegica* Ringdahl, 1934
13. *Fannia ornata* (Meigen, 1826)
14. *Fannia parva* (Stein, 1895)
15. *Fannia polychaeta* (Stein, 1895)
16. *Fannia postica* (Stein, 1895)
17. *Fannia rondanii* (Strobl, 1893)
18. *Fannia scalaris* (Fabricius, 1794)
19. *Fannia serena* (Fallén, 1825)
20. *Fannia similis* (Stein, 1895)

**Hybotidae**

This family is represented by a very few species in Armenia (Soós and Papp 1989; Shamshev 2016).

1. *Crossopalpus aeneus* (Walker, 1871)
2. *Hybos vagans* Loew, 1874
3. *Platypalpus albiseta* (Panzer, 1806)

### Lauxaniidae

This family is represented by only one species in Armenia (Soós and Papp 1984).

1. *Peplomyza intermedia* Remm, 1979

### Micropezidae

This family is represented by only one species in Armenia (Soós and Papp 1984)

1. *Micropeza cingulata* Loew, 1868

### Muscidae

The Muscidae of Armenia have been dealt with in a number of papers by Pont and colleagues, based on collections made by ACP in all parts of Armenia (Pont 2012, 2013a, 2022, 2023; Pont et al. 2005, 2011, 2012a, b). Records were summarised in Pont (2018). The new records listed below were found in the collections of the Zoological Institute of the Russian Academy of Sciences, St Petersburg, Russia, and in samples collected during the present project.

1. *Atherigona varia* (Meigen, 1826)
2. *Azelia aterrima* (Meigen, 1826)
3. *Azelia cilipes* (Haliday, 1838)
4. *Azelia monodactyla* Loew, 1874
5. *Azelia nebulosa* Robineau-Desvoidy, 1830
6. *Azelia triquetra* (Wiedemann, 1817)
7. *Azelia zetterstedtii* Rondani, 1866
8. *Coenosia agromyzina* (Fallén, 1825)
9. *Coenosia ambulans* Meigen, 1826
10. *Coenosia atra* Meigen, 1826
11. **Coenosia attenuata* Stein in Becker, 1903
12. *Coenosia femoralis* (Robineau-Desvoidy, 1830)
13. *Coenosia gracilis* Stein, 1916
14. *Coenosia humilis* Meigen, 1826
15. *Coenosia infantula* Rondani, 1866
16. *Coenosia intermedia* (Fallén, 1825)
17. *Coenosia mollicula* (Fallén, 1825b)
18. *Coenosia nevadensis* Lyneborg, 1970
19. *Coenosia nigridigita* Rondani, 1866
20. *Coenosia octosignata* Rondani, 1866
21. **Coenosia oligochaeta* Hennig, 1961
22. **Coenosia praetexta* Pandellé, 1899
23. *Coenosia pulicaria* (Zetterstedt, 1845)
24. *Coenosia pumila* (Fallén, 1825)
25. **Coenosia pygmaea* (Zetterstedt, 1845)
26. **Coenosia rufipalpis* Meigen, 1826
27. *Coenosia testacea* (Robineau-Desvoidy, 1830)

28. *Coenosia tigrina* (Fabricius, 1775)
29. *Coenosia verralli* Collin, 1953
30. *Coenosia wernerae* Pont in Pont, Werner & Kachvoryan, 2005
31. *Dasyphora albofasciata* (Macquart, 1839)
32. *Dasyphora cyanella* (Meigen, 1826)
33. *Dasyphora cyanicolor* (Zetterstedt, 1845)
34. *Dasyphora meridionalis* Zimin, 1951
35. *Dasyphora penicillata* (Egger, 1865)
36. *Dasyphora pratorum* (Meigen, 1826)
37. *Dasyphora zimini* Hennig, 1963
38. *Drymeia caucasica* (Schnabl in Schnabl & Dziedzicki, 1911)
39. *Drymeia fasciculata* (Stein, 1916)
40. *Drymeia fratercula* Pont, 2022
41. *Drymeia setibasis* (Huckett, 1965)
42. *Drymeia sororcula* Pont, 2022
43. *Drymeia vicana* (Harris, 1780)
44. *Eginia ocypterata* (Meigen, 1826)
45. *Graphomya maculata* (Scopoli, 1763)
46. *Gymnodia polystigma* (Meigen, 1826)
47. *Haematobia irritans* (Linnaeus, 1758)
48. *Haematobia titillans* (Bezzi, 1907a)
49. *Haematobosca atripalpis* (Bezzi, 1895)
50. *Haematobosca stimulans* (Meigen, 1824)
51. *Hebecnema fumosa* (Meigen, 1826)
52. *Hebecnema nigra* (Robineau-Desvoidy, 1830)
53. *Hebecnema umbratica* (Meigen, 1826)
54. *Hebecnema vespertina* (Fallén, 1823)
55. *Helina arctata* Collin, 1953
56. *Helina atricolor* (Fallén, 1825)
57. *Helina balsaci* (Séguy, 1947)
58. *Helina celsa* (Harris, 1780)
59. *Helina chaetopyga* Malloch, 1921
60. *Helina cilipes* (Schnabl, 1902)
61. *Helina cinerella* (Wulp, 1867)
62. *Helina cothurnata* (Rondani, 1866)
63. *Helina decipiens* Mihályi, 1974
64. *Helina depuncta* (Fallén, 1825)
65. *Helina edita* Pont, 2012
66. *Helina evecta* (Harris, 1780)
67. **Helina fratercula* (Zetterstedt, 1845)
68. *Helina impuncta* (Fallén, 1824)
69. *Helina irani* Zielke, 2017
70. *Helina karina* Pont, 2012
71. *Helina lasiophthalma* (Macquart, 1835)
72. *Helina latitarsis* Ringdahl, 1924
73. *Helina maculipennis* (Zetterstedt, 1845)
74. *Helina marisha* Pont, 2012
75. *Helina moedlingensis* (Schnabl in Schnabl & Dziedicki, 1911)
76. *Helina obscurata* (Meigen, 1826)

77. *Helina parcepilosa* (Stein, 1907)
78. **Helina pertusa* (Meigen, 1826)
79. *Helina pubiseta* (Zetterstedt, 1845)
80. *Helina reversio* (Harris, 1780)
81. *Helina richardi* Pont, 2012
82. **Helina sexmaculata* (Preyssler, 1791)
83. *Helina subvittata* (Séguy, 1923)
84. **Helina syracusana* Hennig, 1957
85. *Helina tetrastigma* (Meigen, 1826)
86. *Helina trivittata* (Zetterstedt, 1860)
87. *Hydrotaea aenescens* (Wiedemann, 1830)
88. *Hydrotaea albipuncta* (Zetterstedt, 1845)
89. *Hydrotaea armipes* (Fallén, 1825)
90. *Hydrotaea borussica* Stein, 1899
91. **Hydrotaea capensis* (Wiedemann, 1818)
92. *Hydrotaea cyrtoneurina* (Zetterstedt, 1845)
93. *Hydrotaea dentipes* (Fabricius, 1805)
94. *Hydrotaea floccosa* Macquart, 1835
95. *Hydrotaea glabricula* (Fallén, 1825)
96. *Hydrotaea himalayensis* Pont, 1975
97. *Hydrotaea hirticeps* (Fallén, 1824)
98. *Hydrotaea ignava* (Harris, 1780)
99. *Hydrotaea irritans* (Fallén, 1823)
100. *Hydrotaea meridionalis* Portschinsky, 1882
101. *Hydrotaea meteorica* (Linnaeus, 1758)
102. **Hydrotaea militaris* (Meigen, 1826)
103. *Hydrotaea nidicola* Malloch, 1925
104. *Hydrotaea ringdahli* Stein, 1914
105. *Hydrotaea velutina* Robineau-Desvoidy, 1830
106. *Limnophora femoriseta* Pont, Vikhrev & Werner, 2011
107. *Limnophora latevittata* Schnabl in Schnabl & Dziedzicki, 1911
108. *Limnophora maculosa* (Meigen, 1826)
109. *Limnophora mediterranea* Pont in Pont et al. 2012
110. *Limnophora obsignata* (Rondani, 1866)
111. *Limnophora olympiae* Lyneborg, 1965
112. *Limnophora pandellei* Séguy, 1923
113. *Limnophora patellifera* (Villeneuve, 1911)
114. *Limnophora pollinifrons* Stein, 1916
115. *Limnophora pulchriceps* (Loew, 1860)
116. *Limnophora riparia* (Fallén, 1824)
117. *Limnophora rufimana* (Strobl, 1893)
118. *Limnophora setinerva* Schnabl in Schnabl & Dziedzicki, 1911
119. *Limnophora tigrina* (Am Stein, 1860)
120. *Limnophora triangula* (Fallen, 1825)
121. **Lispe assimilis* Wiedemann, 1824
122. *Lispe consanguinea* Loew, 1858
123. *Lispe longicollis* Meigen, 1826
124. *Lispe melaleuca* Loew, 1847
125. *Lispe nana* Macquart, 1835

126. *Lispe pygmaea* Fallén, 1825
127. *Lispe sericipalpis* Stein, 1904
128. **Lispe superciliosa* Loew, 1861
129. *Lispe tentaculata* (De Geer, 1776)
130. *Lispocephala erythrocera* (Robineau-Desvoidy, 1830)
131. *Lispocephala spuria* (Zetterstedt, 1838)
132. **Lispocephala vitripennis* Ringdahl, 1951
133. *Macrorchis meditata* (Fallén, 1825)
134. *Mesembrina meridiana* (Linnaeus, 1758)
135. *Mesembrina mystacea* (Linnaeus, 1758)
136. **Morellia aenescens* Robineau-Desvoidy, 1830
137. *Morellia hortorum* (Fallén, 1817)
138. *Musca amita* Hennig, 1964
139. *Musca autumnalis* De Geer, 1776
140. *Musca domestica* Linnaeus, 1758
141. *Musca larvipara* Portschinsky, 1910
142. *Musca osiris* Wiedemann, 1830
143. *Musca tempestiva* Fallén, 1817
144. *Musca vitripennis* Meigen, 1826
145. *Muscina levida* (Harris, 1780)
146. *Muscina pascuorum* (Meigen, 1826)
147. *Muscina prolapsa* (Harris, 1780)
148. *Muscina stabulans* (Fallén, 1817)
149. *Mydaea ancilla* (Meigen, 1826)
150. **Mydaea corni* (Scopoli, 1763)
151. *Mydaea detrita* (Zetterstedt, 1845)
152. *Mydaea humeralis* Robineau-Desvoidy, 1830
153. **Mydaea lateritia* (Rondani, 1866)
154. **Mydaea nebulosa* (Stein, 1893)
155. *Mydaea urbana* (Meigen, 1826)
156. *Myospila bimaculata* (Macquart, 1834)
157. *Myospila meditabunda* (Fabricius, 1781)
158. *Neomyia cornicina* (Fabricius, 1781)
159. *Neomyia viridescens* (Robineau-Desvoidy, 1830)
160. **Orchisia costata* (Meigen, 1826)
161. *Phaonia adriani* Zinoviev, 1994
162. *Phaonia angelicae* (Scopoli, 1763)
163. *Phaonia cincta* (Zetterstedt, 1846)
164. *Phaonia errans* (Meigen, 1826)
165. *Phaonia gayaneae* Pont, 2018
166. *Phaonia gobertii* (Mik, 1881)
167. *Phaonia halterata* (Stein, 1893)
168. **Phaonia incana* (Wiedemann, 1817)
169. *Phaonia kobica* Schnabl in Schnabl & Dziedzicki, 1911
170. *Phaonia modesta* Sorokina, 2015
171. *Phaonia pallida* (Fabricius, 1787)
172. *Phaonia palpata* (Stein, 1897)

173. *Phaonia perdita* (Meigen, 1830)
174. **Phaonia rufiventris* (Scopoli, 1763)
175. *Phaonia serva* (Meigen, 1826)
176. *Phaonia signata* (Meigen, 1826)
177. *Phaonia subventa* (Harris, 1780)
178. **Phaonia trimaculata* (Bouché, 1834)
179. *Phaonia tuguriorum* (Scopoli, 1763)
180. *Phaonia valida* (Harris, 1780)
181. *Polietes domitor* (Harris, 1780)
182. *Polietes lardarius* (Fabricius, 1781)
183. *Potamia littoralis* Robineau-Desvoidy, 1830
184. **Pyrellia secunda* Zimin, 1951
185. *Pyrellia vivida* Robineau-Desvoidy, 1830
186. *Schoenomyza litorella* (Fallén, 1823)
187. *Spilogona carbonella* (Zetterstedt, 1845)
188. *Spilogona denigrata* (Meigen, 1826)
189. *Spilogona dispar* (Fallén, 1823)
190. **Spilogona meadei* (Schnabl in Becker, 1915)
191. *Spilogona nora* Pont, 2013
192. *Spilogona paradispar* Pont, 2023
193. *Spilogona taeniata* (Stein, 1916)
194. *Stomoxys calcitrans* (Linnaeus, 1758)
195. *Thricops bukowskii* (Ringdahl, 1934)
196. *Thricops furcatus* (Stein, 1916)
197. *Thricops iliata* Pont, 2018
198. *Thricops longipes* (Zetterstedt, 1845)
199. *Thricops nigriabdominalis* Savage, 2003
200. *Thricops nigrifrons* (Robineau-Desvoidy, 1830)
201. *Thricops nigritellus* (Zetterstedt, 1838)
202. *Thricops rostratus* (Meade, 1882)
203. *Thricops semicinereus* (Wiedemann, 1817)
204. *Thricops simplex* (Wiedemann, 1817)
205. *Thricops sudeticus* (Schnabl, 1888)
206. *Thricops tomkovichi* Vikhrev in Vikhrev & Sorokina, 2009
207. *Thricops vaderi* Savage, 2003
208. *Ziminellia simplex* (Loew, 1857)

### Mythicomyiidae

This family is another of the understudied families of Armenia. The records presented below are from the catalogue by Evenhuis (2002).

1. *Cyrtisiopsis melleus* (Loew, 1856)
2. *Platypygus bellus* Loew, 1869
3. *Platypygus kurdorum* Paramonov, 1929
4. *Platypygus melinoproctus* Loew, 1873
5. *Platypygus ridibundus* (Costa, 1863)

### Opomyzidae

This family is represented by two species in Armenia, which are agricultural pests (Avetyan and Mirzoyan 1976).

1. *Geomyza tripunctata* (Fallen, 1823)
2. *Opomyza florum* (Fabricius, 1794)

### Phaeomyiidae

This small family, recently separated from the Sciomyzidae, contains species that are parasitoids of millipedes (Diplopoda) (Soós and Papp 1984).

1. *Pelidnoptera nigripennis* (Fabricius, 1794)

### Piophilidae

The only Armenian record for this family has been found in the list of pest species by Avetyan and Mirzoyan (1976).

1. *Piophila casei* (Linnaeus, 1758)

### Platystomatidae

The records from this family were found in volume 9 of the Catalogue of Palearctic Diptera (Soós and Papp 1984). The last species was from Avetyan and Mirzoyan (1976) where the family was Platystotidae.

1. *Platystoma bipilosum* Portschinsky, 1875
2. *Platystoma chrysotoxum* Hendel, 1913
3. *Platystoma malatiense* Hennig, 1945
4. *Platystoma punctiventre* Portschinsky, 1875
5. *Platystoma seminationis* ssp. *rufimana* Loew, 1873
6. *Platystomata gilvipes* Loew, 1868
7. *Platystoma rufipes* Meigen, 1826

### Rhinophoridae

Rhinophorid larvae are endoparasitoids of woodlice. One species has been recorded from Armenia (Cerretti et al. 2020).

1. *Tromodesia shachrudi* (Rohdendorf, 1935)

### Sarcophagidae

Many records of Sarcophagidae from Armenia date from Rohdendorf (1937) and, more recently, from a number of papers by Yu.G. Verves. These have been summarised and supplemented by the world catalogue by Pape (1996).

1. *Amobia pelopei* Rondani, 1859
2. *Angiometopa falleni* Pape, 1986
3. *Apodacra ljudmilae* Verves, 1980
4. *Apodacra rohdendorfi* Verves, 1980
5. *Blaesoxipha grisea* (Meigen, 1926)
6. *Blaesoxipha richterae* Rohdendorf & Verves, 1977
7. *Blaesoxipha shelkovnikovi* Rohdendorf, 1937
8. *Brachicoma devia* (Fallén, 1820)
9. *Craticulina tabaniformis* (Fabricius, 1805)
10. *Metopia argyrocephala* (Meigen, 1824)
11. *Metopia campestris* (Fallén, 1810)
12. *Miltogramma chivae* Rohdendorf, 1935
13. *Miltogramma occipitalis* Pandellé, 1895
14. *Miltogramma oestracea* (Fallén, 1820)
15. *Miltogramma punctata* Meigen, 1824
16. *Miltogramma ruficornis* Meigen, 1824
17. *Miltogramma rutilans* Meigen, 1824
18. *Miltogramma taeniata* Meigen, 1824
19. *Miltogramma testaceifrons* (Roser, 1840)
20. *Nyctia halterata* (Panzer, 1798)
21. *Paramacronychia flavipalpis* (Girschner, 1881)
22. *Phylloteles pictipennis* Loew, 1844
23. *Protomiltogramma fasciata* (Meigen, 1824)
24. *Protomiltogramma jaxartiana* (Rohdendorf, 1927)
25. *Pterella grisea* (Meigen, 1824)
26. *Pterella melanura* (Meigen, 1824)
27. *Pterella penicillaris* (Rondani, 1865)
28. *Ravinia pernix* (Harris, 1780)
29. *Sarcophaga aegyptica* Salem, 1935
30. *Sarcophaga africa* Wiedemann, 1824
31. *Sarcophaga albiceps* Meigen, 1826
32. *Sarcophaga ancilla* Rondani, 1865
33. *Sarcophaga aratrix* Pandellé, 1896
34. *Sarcophaga argyrostoma* (Robineau-Desvoidy, 1830)
35. *Sarcophaga armenica* (Rohdendorf, 1937)
36. *Sarcophaga bulgarica* (Enderlein, 1936)
37. *Sarcophaga caerulescens* Zetterstedt, 18938
38. *Sarcophaga carnaria* (Linnaeus, 1758)
39. *Sarcophaga crassipalpis* Macquart, 1839
40. *Sarcophaga cucullans* Pandellé, 1896
41. *Sarcophaga dreyfusi* (Lehrer, 1994)
42. *Sarcophaga haemorrhoides* (Böttcher, 1913)
43. *Sarcophaga incisilobata* Pandellé, 1896
44. *Sarcophaga jacobsoni* (Rohdendorf, 1937)
45. *Sarcophaga lehmanni* Muller, 1922
46. *Sarcophaga lunigera* (Böttcher, 1914)
47. *Sarcophaga lypai* (Verves, 1977)
48. *Sarcophaga maculata* Meigen, 1835

49. *Sarcophaga mehadiensis* Böttcher, 1912
50. *Sarcophaga melanura* Meigen, 1826
51. *Sarcophaga mutila* Villeneuve, 1912
52. *Sarcophaga nigriventris* Meigen, 1826
53. *Sarcophaga olsoufjevi* (Rohdendorf, 1937)
54. *Sarcophaga pachyura* (Rohdendorf, 1937)
55. *Sarcophaga paramonovi* (Rohdendorf, 1937)
56. *Sarcophaga pontica* (Rohdendorf, 1937)
57. *Sarcophaga portschinskyi* (Rohdendorf, 1937)
58. *Sarcophaga protuberans* Pandellé, 1896
59. *Sarcophaga recta* (Rohdendorf, 1937)
60. *Sarcophaga setinervis* Rondani, 1860
61. *Sarcophaga sexpunctata* (Fabricius, 1805)
62. *Sarcophaga turana* (Rohdendorf, 1937)
63. *Sarcophaga uliginosa* Kramer, 1908
64. *Sarcophila meridionalis* Verves, 1982
65. *Senotainia albifrons* (Rondani, 1859)
66. *Senotainia armenica* Rohdendorf, 1935
67. *Senotainia conica* (Fallén, 1810)
68. *Senotainia tricuspis* (Meigen, 1824)
69. *Sphecapatoclea armenica* (Rohdendorf, 1975)
70. *Sphecapatodes kaszabi* Rohdendorf & Verves, 1980
71. *Sphenometopa bifasciata* (Brauer & Bergenstamm, 1891)
72. *Sphenometopa claripennis* (Villeneuve, 1933)
73. *Sphenometopa fastuosa* (Meigen, 1824)
74. *Sphenometopa mannii* (Brauer & Bergenstamm, 1891)
75. *Taxigramma armeniaca* (Verves, 1980)
76. *Taxigramma elegantula* (Zetterstedt, 1844)
77. *Taxigramma heteroneura* (Meigen, 1830)
78. *Taxigramma multipunctata* (Rondani, 1859)
79. *Taxigramma stictica* (Meigen, 1830)
80. *Wohlfahrtia balassogloi* (Portschinsky, 1881)
81. *Wohlfahrtia bella* (Macquart, 1839)
82. *Wohlfahrtia magnifica* (Schiner, 1862)
83. *Wohlfahrtia nuba* (Wiedemann, 1830)

**Scathophagidae**

There are only two published records for this family, by Ozerov and Krivosheina (2020). The new records from Armenia are based on collections made by ACP in all parts of Armenia and deposited in the Natural History Museum, London (UK).

1. *Cordilura albilabris* (Fabricius, 1805)
2. *Cordilura albipes* Fallén, 1819
3. **Cordilura pubera* (Linnaeus, 1758)
4. **Norellisoma lesgiae* (Becker, 1894)
5. **Norellisoma spinimanum* (Fallén, 1819)
6. **Scathophaga inquinata* Meigen, 1826

7. **Scathophaga stercoraria* (Linnaeus, 1758)
8. **Spaziphora hydromyzina* (Fallén, 1819)

**Sciomyzidae**

The historical records for the family are from volume 9 of the Catalogue of Palearctic Diptera (Soós and Papp 1984). The new records from Armenia are based on collections made by ACP in all parts of Armenia and deposited in the Natural History Museum, London (UK).

1. *Antichaeta analis* (Meigen, 1830)
2. *Coremacera catenata* (Loew, 1847)
3. *Coremacera marginata* ssp. *pontica* (Elberg, 1968)
4. **Dichaetophora obliterata* (Fabricius, 1805)
5. **Hydromya dorsalis* (Fabricius, 1775)
6. *Knutsonia albiseta* (Scopoli, 1763)
7. *Knutsonia turcestanica* (Hendel, 1903)
8. *Limnia unguicornis* (Scopoli, 1763)
9. **Pherbellia argyra* Verbeke, 1967
10. *Pherbellia cinerella* (Fallén, 1820)
11. *Sepedon sphegea* (Fabricius, 1775)
12. *Sepedon spinipes* (Scopoli, 1763)
13. **Tetanocera arrogans* Meigen, 1830
14. **Tetanocera elata* (Fabricius, 1781)
15. *Tetanocera montana* Day, 1881
16. *Trypetoptera punctulata* (Scopoli, 1763)

**Sepsidae**

The Sepsidae of Armenia have been enumerated in two faunistic papers by Pont (2013b, 2017a).

1. *Nemopoda nitidula* (Fallén, 1820)
2. *Saltella nigripes* Robineau-Desvoidy, 1830
3. *Saltella sphondylii* (Schrank, 1803)
4. *Sepsis barbata* Becker, 1907
5. *Sepsis biflexuosa* Strobl, 1893
6. *Sepsis cynipsea* (Linnaeus, 1758)
7. *Sepsis flavimana* Meigen, 1826
8. *Sepsis fulgens* Meigen, 1826
9. *Sepsis luteipes* Melander & Spuler, 1917
10. *Sepsis neocynipsea* Melander & Spuler, 1917
11. *Sepsis orthocnemis* Frey, 1908
12. *Sepsis punctum* (Fabricius, 1794)
13. *Sepsis thoracica* (Robineau-Desvoidy, 1830)
14. *Sepsis violacea* Meigen, 1826
15. *Susanomira caucasica* Pont, 1987
16. *Themira annulipes* (Meigen, 1826)

17. *Themira lucida* (Staeger, 1844)
18. *Themira minor* (Haliday, 1833)

**Sphaeroceridae**

The records for this family are from Roháček (2001).

1. *Ceroptera rufitarsis* (Meigen, 1830)
2. *Leptocera nigra* Olivier, 1813
3. *Opacifrons coxata* (Stenhammar, 1855)
4. *Pseudocollinella humida* (Haliday, 1836)
5. *Rachispoda gel* (Papp, 1978)
6. *Rachispoda modesta* (Duda, 1924)

**Stratiomyidae**

The records for this family are from the world catalogue by Woodley (2001)
1. *Actina chalybea* Meigen, 1804
2. *Adoxomyia portschinskii* (Pleske, 1903)
3. *Beris kovalevi* Rozkošný & Nartshuk, 1980
4. *Chloromyia speciosa* (Macquart, 1834)
5. *Hermionella seguyi* Pleske, 1925
6. *Lasiopa caucasica* (Pleske, 1901)
7. *Nemotelus argentifer* Loew, 1846
8. *Nemotelus pantherinus* (Linnaeus, 1758)
9. *Nemotelus rufiventris* Portschinsky, 1887
10. *Odontomyia hydroleon* (Linnaeus, 1758)
11. *Oxycera analis* Meigen & Wiedemann, 1822
12. *Oxycera pardalina* Meigen, 1822
13. *Pycnomalla splendens* (Fabricius, 1787)
14. *Sargus cuprarius* (Linnaeus, 1758)
15. *Stratiomys armeniaca* Bigot, 1879
16. *Stratiomys cenisia* Meigen, 1822
17. *Stratiomys chamaeleon* (Linnaeus, 1758)
18. *Stratiomys longicornis* (Scopoli, 1763)
19. *Stratiomys nobilis* Loew, 1871
20. *Stratiomys ruficornis* Macquart, 1838
21. *Stratiomys singularia* (Harris, 1778)
22. *Stratiomys viridis* Paramonov, 1926

**Tabanidae**

Most of the records for this family are from northern regions of Armenia (Hovhannisyan et al. 2023). Earlier records from Armenia are from faunistic work of Olsufiev (1937).

1. *Atylotus fulvus* (Meigen, 1804)
2. *Chrysops flavipes* ssp. *abdominalis* Kröber, 1920
3. *Chrysops flavipes* ssp. *flavipes* Meigen, 1804

4. *Chrysops caecutiens* (Linnaeus, 1758)
5. *Chrysops sejunctus* Szilady, 1919
6. *Haematopota ocelligera* (Kröber, 1922)
7. *Haematopota subcylindrica* Pandellé, 1883
8. *Hybomitra caucasica* (Enderlein, 1925)
9. *Hybomitra muehlfeldi* (Brauer, 1880)
10. *Hybomitra popovi* (Olsufjev, 1937)
11. *Philipomyia aprica* (Meigen, 1820)
12. *Silvius caucasicus* Olsufjev, 1937
13. *Tabanus armeniacus* (Kröber, 1928)
14. *Tabanus atropathenicus* Olsufjev, 1937
15. *Tabanus bifarius* ssp. *bifarius* Loew, 1858
16. *Tabanus bromius* ssp. *bromius* Linnaeus, 1758
17. *Tabanus bromius* ssp. *flavofemoratus* Strobl, 1909
18. *Tabanus capito* Olsufjev, 1937
19. *Tabanus cordiger* Meigen & Wiedemann,1820
20. *Tabanus glaucopis* Meigen, 1820
21. *Tabanus hauseri* Olsufjev, 1967
22. *Tabanus indrae* ssp. *indrae* Hauser, 1939
23. *Tabanus indrae* ssp. *vappa* Bogatchev & Samedov, 1949
24. *Tabanus miki* Brauer,1880
25. *Tabanus olsufjevi* Hauser, 1960
26. *Tabanus portschinskii* Olsufjev, 1937
27. *Tabanus prometheus* Szilady, 1923
28. *Tabanus quatuornotatus* ssp. *quatuornotatus* Meigen, 1820
29. *Tabanus rupium* (Brauer, 1880)
30. *Tabanus semiargenteus* Olsufjev, 1937
31. *Tabanus shelkovnikovi* Paramonov,1933
32. *Tabanus spectabilis* Loew, 1858
33. *Tabanus tergestinus* Egger, 1859
34. *Therioplectes carabaghensis* Portschinsky, 1877
35. *Therioplectes tricolor* ssp. *tricolor* Zeller, 1842
36. *Tabanus* (*Ochrops*) *fulvus* Meigen, 1804

**Tachinidae**

All the records for this family are from O'Hara et al. (2020).

1. *Admontia maculisquama* (Zetterstedt, 1859)
2. *Baumhaueria goniaeformis* (Meigen, 1824)
3. *Bessa parallela* (Meigen, 1824)
4. *Billaea biserialis* (Portschinsky, 1881)
5. *Billaea intermedia* (Portschinsky, 1881)
6. *Billaea trochanterata* Mesnil, 1970
7. *Bithia achanthophora* (Rondani, 1861)
8. *Blepharomyia pagana* (Meigen, 1824)
9. *Brachychaeta petiolata* Mesnil, 1953
10. *Brachicheta strigata* (Meigen, 1824)
11. *Cadurcia casta* (Rondani, 1861)

12. *Carcelia gnava* (Meigen, 1824)
13. *Cistogaster mesnili* (Zimin, 1966)
14. *Clemelis pullata* (Meigen, 1824)
15. *Compsilura concinnata* (Meigen, 1824)
16. *Cylindromyia brevicornis* (Loew, 1844)
17. *Cylindromyia pusilla* Meigen, 1824)
18. *Datvia deserticola* Richter, 1972
19. *Dinera fuscata* ssp. *occidentalis* Ziegler in Ziegler, Lutovinovas & Zhang, 2016
20. *Drino inconspicua* (Meigen, 1830)
21. *Erynniopsis antennata* (Rondani, 1861)
22. *Exorista larvarum* (Linnaeus, 1758)
23. *Exorista rossica* Mesnil, 1960
24. *Exorista segregata* (Rondani, 1859)
25. *Germaria sesiophaga* Richter, 1987
26. *Gonia asiatica* (Rohdendorf, 1928)
27. *Gymnosoma desertorum* (Rohdendorf, 1947)
28. *Hypovoria hilaris* Villeneuve, 1913
29. *Leskia erevanica* Richter, 1974
30. *Leucostoma anthracina* (Meigen, 1824)
31. *Linnaemya comta* (Fallén, 1810)
32. *Linnaemya olsufjevi* Zimin, 1954
33. *Lomachantha rufitarsis* Villeneuve, 1912
34. *Lydella thompsoni* Herting, 1959
35. *Lydina aenea* (Meigen, 1824)
36. *Masicera sphingivora* (Robineau-Desvoidy, 1830)
37. *Macquartia tessellum* (Meigen, 1824)
38. *Minthodes atra* (Kugler, 1971)
39. *Minthodes picta* (Zetterstedt, 1844)
40. *Minthodes pictipennis* Brauer & Bergenstamm, 1889
41. *Naira nata* Richter, 1970
42. *Nanoplagia hilfii* (Strobl, 1902)
43. *Nemorilla floralis* (Fallén, 1810)
44. *Neoemdenia mirabilis* Mesnil, 1953
45. *Ocytata pallipes* (Fallén, 1820)
46. *Pales pavida* (Meigen, 1824)
47. *Panzeria armeniaca* (Richter, 1972)
48. *Parasetigena silvestris* (Robineau-Desvoidy, 1863)
49. *Paratryphera mesnili* Herting, 1977
50. *Platymya antennata* (Brauer & Bergenstamm, 1891)
51. *Peletieria paramonovi* Zimin, 1935
52. *Periscepsia plorans* (Rondani, 1861)
53. *Peteina erinaceus* (Fabricius, 1794)
54. *Phorocera grandis* (Rondani, 1859)
55. *Rossimyiops longicornis* (Kugler, 1972)
56. *Smidtia latifrons* (Richter, 1972)
57. *Sonaca moderata* (Herting, 1979)
58. *Sturmia bella* (Meigen, 1824)
59. *Tachina fera* (Linnaeus, 1761)
60. *Tachina praeceps* Meigen, 1824

61. *Tachina rohdendorfi* Zimin, 1935
62. *Thelymorpha marmorata* (Fabricius, 1805)
63. *Townsendiellomyia nidicola* (Townsend, 1908)
64. *Triarthria legeri* (Villeneuve, 1908)
65. *Zenillia libatrix* (Panzer, 1797)
66. *Zeuxia erythraea* (Egger, 1856)
67. *Zeuxia roederi* (Villeneuve, 1932)
68. *Zeuxia tricolor* (Portschinsky, 1881)

**Tephritidae**

Most of the species of this family were listed by Avetyan and Mirzoyan (1976), with a few recent additions by Mohamadzade and Nozari (2010), and more recent records have been given by Evstigneev and Glukhova (2022).

1. *Acanthiophilus helianthi* (Rossi, 1794)
2. *Carpomyia schineri* Loew, 1856
3. *Goniurellia tridens* (Hendel, 1910)
4. *Hypenidium roborowskii* (Becker, 1907)
5. *Myiopardalis pardalina* (Bigot, 1891)
6. *Rhagoletis berberidis* Jermy, 1961
7. *Rhagoletis cerasi* (Linnaeus, 1758)
8. *Rhagoletis meigenii* Loew, 1844
9. *Trupanea amoena* (Frauenfeld, 1857)
10. *Trupanea stellata* (Fuesslin, 1775)
11. *Urophora terebrans* (Loew, 1850)
12. *Xyphosia laticauda* (Meigen, 1826)

**Therevidae**

All the records for the family are from volume 6 of the Catalogue of Palearctic Diptera (Soós and Papp 1989).

1. *Actorthia lacteipennis* (Becker, 1912)
2. *Ammothereva splendida* (Kröber, 1912)
3. *Haplosathe richterae* Lyneborg & Zaitzev, 1980
4. *Thereva affinis* Kröber, 1913
5. *Thereva brunninervis* Kröber, 1913
6. *Thereva caucasica* Kröber, 1913
7. *Thereva ordubadica* Paramonov, 1927
8. *Thereva panotshinii* Paramonov, 1927

**Ulidiidae**

The species listed here are from volume 9 of the Catalogue of Palearctic Diptera (Soós and Papp 1984) where the family name was given as Otitidae.

1. *Dorycera caucasica* Hendel, 1910
2. *Dorycera maculipennis* Macquart, 1844

## Nematocera

The suborder “Nematocera” is represented by 17 families in Armenia.

### Anisopodidae

Only 2 species have been recorded from Armenia, by Oboňa et al. (2017).

1. *Sylvicola cinctus* (Fabricius, 1787)
2. *Sylvicola stackelbergi* Krivosheina & Menzel, 1998

### Bibionidae

The first record for this family was by Avetyan and Mirzoyan (1976), and recent additions have been by Oboňa et al. (2017).

1. *Bibio consanguineus* Loew, 1869
2. *Bibio hortulanus* (Linnaeus, 1758)
3. *Dilophus bispinosus* Lundström, 1913
4. *Dilophus febrilis* (Linnaeus, 1758)

### Blephariceridae

There is only a single record of this family in Armenia (Zwick 1988).

1. *Liponeura tarnogradskyi* Bischoff, 1930

### Cecidomyiidae

This family of gall midges is one of the better-studied families of Diptera in Armenia (Mirumyan 2011; Mirumian and Skuhravá 2017, 2022; Gagné and Jaschhof 2021; Babayan 2022; Fedotova et al. 2022; Hovhannisyan et al. 2023).

1. *Ametrodiplosis crassinerva* (Kieffer, 1901)
2. *Apiomyia bergenstammi* (Wachtl, 1882)
3. *Aschistonyx carpinicolus* Rubsaamen, 1917
4. *Asphondylia hornigi* Wachtl, 1881
5. *Asphondylia pruniperda* Rondani, 1867
6. *Asphondylia scrophulariae* (Schiner, 1856)
7. *Asphondylia serpylli* Kieffer, 1898
8. *Asphondylia verbasci* (Vallot, 1827)
9. *Baldratia terteriani* (Mamaev & Mirumian, 1990)
10. *Bayeriola thymicola* (Kieffer, 1888)
11. *Blastomyia origani* (Tavares, 1901)
12. *Bremiola onobrychidis* (Bremi, 1847)
13. *Careopalpis harenosa* (Möhn, 1971)
14. *Careopalpis suaedae* (Fedotova, 1983)
15. *Careopalpis suaedicola* Fedotova, 1985
16. *Cephalaromyia capituli* Skuhravá, 2017 [invalid]

17. *Clinodiplosis cilicrus* (Kieffer, 1889)
18. *Contarinia baeri* (Prell, 1931)
19. *Contarinia campanulae* (Kieffer, 1895)
20. *Contarinia craccae* Kieffer, 1897
21. *Contarinia desertorum* Marikovskii, 1961
22. *Contarinia heraclei* (Rübsaamen, 1889)
23. *Contarinia inulicola* Stelter, 1965
24. *Contarinia lepidii* Kieffer, 1909
25. *Contarinia medicaginis* Kieffer, 1895
26. *Contarinia molluginis* (Rübsaamen, 1889)
27. *Contarinia onobrychidis* Kieffer, 1895
28. *Contarinia pyrivora* (Riley, 1886)
29. *Contarinia rhamni* (Rübsaamen, 1892)
30. *Contarinia steini* (Karsch, 1881)
31. *Contarinia tritici* (Kirby, 1798)
32. *Contarinia zygophylliflorae* Fedotova, 1990
33. *Cystiphora taraxaci* (Kieffer, 1888)
34. *Dasineura acrophila* (Winnertz, 1853)
35. *Dasineura aparines* (Kieffer, 1889)
36. *Dasineura asperulae* (Löw, 1875)
37. *Dasineura auritae* (Rübsaamen, 1915)
38. *Dasineura bayeri* (Rubsaamen, 1914)
39. *Dasineura clematidina* (Kieffer, 1913)
40. *Dasineura engstfeldi* (Rübsaamen, 1889)
41. *Dasineura euphorbiarum* (Kieffer, 1909)
42. *Dasineura fairmairei* (Kieffer, 1897)
43. *Dasineura foliumcrispans* (Rubsaamen, 1895)
44. *Dasineura fraxinea* Kieffer, 1907
45. *Dasineura fraxini* (Bremi, 1847)
46. *Dasineura gentneri* (Pritchard, 1953)
47. *Dasineura gleditchiae* (Osten Sacken, 1866)
48. *Dasineura hyperici* (Bremi, 1847)
49. *Dasineura irregularis* (Bremi, 1847)
50. *Dasineura lathyri* (Kieffer, 1909)
51. *Dasineura leguminicola* (Linther, 1879)
52. *Dasineura mali* (Kieffer, 1894)
53. *Dasineura papaveris* (Winnertz, 1853)
54. *Dasineura pyri* (Bouché, 1847)
55. *Dasineura rosae* (Bremi, 1847)
56. *Dasineura rubella* (Kieffer, 1896)
57. *Dasineura spadicea* (Rübsaamen, 1917)
58. *Dasineura tortrix* (Löw, 1877)
59. *Dasineura traili* (Kieffer, 1909)
60. *Dasineura trifolii* (Löw, 1874)
61. *Dasineura urticae* (Perris, 1840)
62. *Dasineura viciae* (Kieffer, 1888)
63. *Dasyneuriola salicorniae* (Fedotova, 1984)
64. *Dasyneuriola suaedae* Marikovskij, 1961
65. *Euphorbomyia loewi* (Mik, 1882)

66. *Geocrypta braueri* (Handlirsch, 1884)
67. *Geocrypta heterophylli* (Rübsaamen, 1914)
68. *Halodiplosis araratica* Mirumian, 1991
69. *Hartigiola annulipes* (Hartig, 1839)
70. *Iteomyia capreae* (Winnertz, 1853)
71. *Jaapiella bryoniae* (Bouché, 1847)
72. *Jaapiella cirsiicola* Rübsaamen, 1915
73. *Jaapiella loticola* (Rübsaamen, 1889)
74. *Jaapiella medicaginis* (Rübsaamen, 1912)
75. *Jaapiella parvula* (Liebel, 1889)
76. *Jaapiella rubiae* Fedotova, 1987
77. *Jaapiella thalictri* (Rübsaamen, 1895)
78. *Jaapiella volvens* Rübsaamen, 1917
79. *Janetiella convolvuli* Mirumian &Skuhravá, 2017
80. *Janetiella thymi* (Kieffer, 1888)
81. *Kochiomyia kochiae* (Kieffer, 1909)
82. *Macrodiplosis pustularis* (Bremi, 1847)
83. *Macrodiplosis roboris* (Hardy, 1854)
84. *Macrolabis heraclei* (Kaltenbach, 1862)
85. *Mayetiola destructor* (Say, 1817)
86. *Mikiola fagi* (Hartig, 1839)
87. *Mikiola orientalis* Kieffer, 1909
88. *Neolasioptera odontonemae* Möhn, 1964
89. *Obolodiplosis robiniae* (Haldeman, 1847)
90. *Ozirhincus millefolii* (Wachtl, 1884)
91. *Phegomyia fagicola* (Kieffer, 1901)
92. *Polygonomyia atraphaxiflorae* (Fedotova, 1984)
93. *Primofavilla initialis* Mamaev, 1972
94. *Psectrosema barbatum* (Marikovskiy, 1961)
95. *Psectrosema dentipes* (Marikovskiy, 1961)
96. *Pseudokochiomyia camphorosmae* (Fedotova, 1984)
97. *Pseudokochiomyia mesasiatica* (Fedotova, 1982)
98. *Pseudokochiomyia panderiae* Fedotova, 1992
99. *Pseudokochiomyia vicina* (Marikovskiy, 1961)
100. *Rabdophaga gemmicolata* Gagné, 2004
101. *Rabdophaga heterobia* (Loew, 1850)
102. *Rabdophaga iteobia* (Kieffer, 1890)
103. *Rabdophaga marginemtorquens* (Bremi, 1847)
104. *Rabdophaga rosaria* (Loew, 1850)
105. *Rabdophaga saliciperda* (Dufour, 1841)
106. *Rabdophaga salicis* (Schrank, 1803)
107. *Rabdophaga terminalis* (Loew, 1850)
108. *Rabdophaga salicis* (Schrank, 1803)
109. *Rhopalomyia artemisiae* (Bouché, 1834)
110. *Rhopalomyia baccarum* (Wachtl, 1883)
111. *Rhopalomyia campestris* (Rübsaamen, 1915)
112. *Rhopalomyia heteropalpis* (Marikovskiy in Marikovskiy & Moiseeva, 1964)
113. *Rhopalomyia hispanica* Tavares, 1904
114. *Rhopalomyia millefolii* (Loew, 1850)

115. *Rhopalomyia navasi* (Tavares, 1904)
116. *Rhopalomyia syngenesiae* (Loew, 1850)
117. *Rhopalomyia tubifex* (Bouché, 1847)
118. *Sophoromyia armenica* Mamaev & Mirumian, 1989
119. *Spurgia euphorbiae* (Vallot, 1827)
120. *Stefaniella hilversidae* Mamaev, 1972
121. *Stefaniola excelsa* Möhn, 1971
122. *Tavolgomyia karelini* (Fedotova, 1982)
123. *Wachtliella persicariae* (Linnaeus, 1767)
124. *Wachtliella stachydis* (Bremi, 1847)
125. *Zeuxidiplosis giardi* (Kieffer, 1896)
126. *Zygiobia carpini* (Löw, 1874).

**Ceratopogonidae**

The earliest records of these biting midges in Armenia are from volume 3 of the Catalogue of Palearctic Diptera (Soós and Papp 1988). The most recent papers to include a few records from Armenia are by Borkent and Dominiak (2020), El-Hawagry et al. (2020) and Przhiboro (2007).

1. *Atrichopogon albiscapula* Kieffer, 1918
2. *Atrichopogon appendiculatus* (Goetghebuer, 1920)
3. *Atrichopogon fulvipes* Remm, 1972
4. *Atrichopogon gillipaludosus* Remm, 1993
5. *Atrichopogon majusculus* Remm, 1961
6. *Atrichopogon meloesugans* Kieffer, 1922
7. *Bezzia albicornis* (Meigen, 1818)
8. *Bezzia nigrita* Clastrier, 1962
9. *Bezzia sevanica* Remm, 1974
10. *Bezzia tshernovskii* Remm, 1993
11. *Bezzia xanthocephala* Goetghebuer, 1911
12. *Brachypogon sevanicus* (Remm, 1974)
13. *Brachypogon vitiosus* (Winnertz, 1852)
14. *Ceratopogon caucasicus* Remm, 1967
15. *Ceratopogon crassinervis* (Goetghebuer, 1920)
16. *Ceratopogon niveipennis* Meigen, 1804
17. *Culicoides abchazicus* Dzhafarov, 1964
18. *Culicoides azerbajdzhanicus* Dzhafarov, 1962
19. *Culicoides bulbostylus* Khalaf, 1961
20. *Culicoides delta* Edwards, 1939
21. *Culicoides firuzae* Dzhafarov, 1958
22. *Culicoides longicollis* Glukhova, 1971
23. *Culicoides musajevi* Dzhafarov, 1961
24. *Culicoides saevanicus* Dzhafarov, 1960
25. *Culicoides salinarius* Kieffer, 1914
26. *Culicoides segnis* Campbell & Pelham-Clinton, 1960
27. *Culicoides sejfadinei* Dzhafarov, 1958
28. *Culicoides tauricus* Gutsevich, 1959
29. *Culicoides tugaicus* Dzhafarov, 1960

30. *Culicoides zhogolevi* Remm & Zhogolev, 1968
31. *Dasyhelea bifida* Zilahi-Sebess, 1936
32. *Dasyhelea calycata* Remm, 1972
33. *Dasyhelea obscura* (Winnertz, 1852)
34. *Dasyhelea serristernum* Remm, 1967
35. *Forcipomyia biskraensis* Kieffer, 1923
36. *Forcipomyia chrysolopha* Kieffer, 1911
37. *Forcipomyia crassipes* (Winnertz, 1852)
38. *Forcipomyia pulchrithorax* Edwards, 1924
39. *Forcipomyia sahariensis* Kieffer, 1923
40. *Leptoconops bezzii* (Noè, 1905)
41. *Leptoconops borealis* Gutsevich, 1945
42. *Leptoconops laurae* (Weiss, 1912)
43. *Leptoconops nigripes* Dzhafarov, 1961
44. *Monohelea spathulata* Remm, 1993
45. *Palpomyia aterrima* Goetghebuer, 1921
46. *Palpomyia flavipes* (Meigen, 1804)
47. *Palpomyia nigritarsalis* Remm, 1976
48. *Schizohelea leucopeza* (Meigen, 1804)
49. *Serromyia subinermis* Kieffer, 1919

**Chironomidae**

Records for this family are from the World Catalogue of Chironomidae parts 1 and 2 by Ashe and O'Connor (2009, 2012), with an additional record in Pont (2013a).

1. *Ablabesmyia phatta* (Egger, 1863)
2. *Boreoheptagyia legeri* (Goetghebuer, 1933)
3. *Orthocladius abiskoensis* Thienemann & Kruger, 1937
4. *Paratendipes nudisquama* (Edwards, 1929)
5. *Prodiamesa olivacea* (Meigen, 1818)
6. *Psectrocladius barbimanus* (Edwards, 1929)
7. *Tvetenia duscoloripes* (Goetghebuer, 1936)

**Culicidae**

This list of mosquito records is from the recent work of Shcherbakov et al. (2023).

1. *Aedes albopictus* (Skuse, 1894)
2. *Aedes annulipes* (Meigen, 1830)
3. *Aedes caspius* (Pallas, 1771)
4. *Aedes cataphylla* Dyar, 1916
5. *Aedes cinereus* Wiedemann, 1818
6. *Aedes dorsalis* (Meigen, 1830)
7. *Aedes flavescens* (Müller, 1764)
8. *Aedes geniculatus* (Olivier, 1791)
9. *Aedes punctor* (Kirby, 1837)
10. *Aedes vexans* (Meigen, 1830)
11. *Anopheles claviger* (Meigen, 1804)
12. *Anopheles hyrcanus* (Pallas, 1771)

13. *Anopheles maculipennis* Meigen, 1818
14. *Anopheles plumbeus* Stephens, 1828
15. *Anopheles sacharovi* Favre, 1903
16. *Anopheles superpictus* Grassi, 1899
17. *Coquillettidia richiardii* (Ficalbi, 1889)
18. *Culex hortensis* Ficalbi, 1889
19. *Culex martinii* Medschid, 1930
20. *Culex mimeticus* Noè, 1899
21. *Culex modestus* Ficalbi, 1889
22. *Culex pipiens* Linnaeus, 1758
23. *Culex territans* Walker, 1856
24. *Culex theileri* Edwards, 1912
25. *Culex torrentium* Martini, 1925
26. *Culiseta alaskaensis* (Ludlow, 1906)
27. *Culiseta annulata* (Schrank, 1776)
28. *Culiseta longiareolata* (Macquart, 1838)
29. *Culiseta morsitans* (Theobald, 1901)
30. *Culiseta subochrea* (Edwards, 1921)
31. *Uranotaenia unguiculata* Edwards, 1913

**Dixidae**

The family is listed from Oboňa et al. (2017).

1. *Dixa puberula* Loew, 1849
2. *Dixa submaculata* Edwards, 1920
3. *Dixella obscura* (Loew, 1849)

**Keroplatidae**

Armenian records for these three species have been found in three different papers (Joost and Plassmann 1985; Zaitzev 1994; Evenhuis 2006).

1. *Macrocera angulata* Meigen, 1818
2. *Macrocera crassicornis* Winnertz, 1864
3. *Macrocera lutea* Meigen, 1804

**Limoniidae**

The family is one of the well-studied families in Armenia (Oboňa et al. 2016; Hakobyan and Jenderedjian 2023).

1. *Achyrolimonia decemmaculata* (Loew, 1873)
2. *Afrolimnophila minima* (Savchenko, 1971)
3. *Antocha vitripennis* (Meigen, 1830)
4. *Dicranomyia caledonica* Edwards, 1926
5. *Dicranomyia circassica* Lackschewitz, 1941
6. *Dicranomyia didyma* (Meigen, 1804)
7. *Dicranomyia longipennis* (Schummel, 1829)

8. *Dicranomyia lucida* Meijere, 1918
9. *Dicranomyia melanantha* Savchenko, 1984
10. *Dicranomyia modesta* (Meigen, 1818)
11. *Dicranomyia pallidinota* Starý, 2009
12. *Dicranomyia pontica* Lackschewitz, 1941
13. *Dicranomyia transsilvanica* Lackschewitz, 1928
14. *Dicranoptycha livescens* Loew, 1870
15. *Ellipteroides omissus* (Lackschewitz, 1940)
16. *Erioconopa symplectoides* (Kuntze, 1914)
17. *Erioconopa trivialis* (Meigen, 1818)
18. *Erioptera bivittata* (Loew, 1873)
19. *Erioptera fusculenta* Edwards, 1938
20. *Erioptera lutea* Meigen, 1804
21. *Gonomyia basilobata* Alexander, 1975
22. *Gonomyia papposa* Savchenko, 1983
23. *Hexatoma gaedii* (Meigen, 1830)
24. *Hexatoma haiasana* (Savchenko, 1972)
25. *Hoplolabis amseliana* (Nielsen, 1961)
26. *Hoplolabis iranica* (Alexander, 1973)
27. *Hoplolabis yezoana* (Alexander, 1924)
28. *Idiocera laterospina* (Alexander, 1975)
29. *Ilisia maculata* (Meigen, 1804)
30. *Limnophila pictipennis* (Meigen, 1818)
31. *Limonia flavipes* (Fabricius, 1787)
32. *Limonia fusca* Meigen, 1804
33. *Limonia hercegovinae* (Strobl, 1898)
34. *Limonia macrostigma* (Schummel, 1829)
35. *Limonia nubeculosa* Meigen, 1804
36. *Limonia stigma* (Meigen, 1818)
37. *Limonia subaequalis* Savchenko, 1979
38. *Metalimnobia quadrinotata* (Meigen, 1818)
39. *Molophilus decoloratus* Savchenko, 1978
40. *Molophilus hebetatus* Savchenko, 1976
41. *Molophilus obscurus* (Meigen, 1818)
42. *Molophilus ochraceus* (Meigen, 1818)
43. *Molophilus pleuralis* Meijere, 1920
44. *Molophilus politonigrus* Savchenko, 1983
45. *Molophilus propinquus* (Egger, 1864)
46. *Molophilus urodontus* Savchenko, 1978
47. *Neolimnomyia rufulum* Savchenko, 1979
48. *Ormosia cuspidata* Savchenko, 1973
49. *Ormosia fascipennis* (Zetterstedt, 1838)
50. *Ormosia hederae* (Curtis, 1835)
51. *Ormosia longispina* Savchenko, 1983
52. *Paradelphomyia brevifurca* Savchenko, 1976
53. *Paradelphomyia fuscula* (Loew, 1873)
54. *Paradelphomyia senilis* (Haliday, 1833)
55. *Phylidorea ferruginea* (Meigen, 1818)
56. *Phyllolabis ghilarovi* Savchenko, 1983

57. *Pseudolimnophila melanura* Savchenko, 1984
58. *Pseudolimnophila sepium* (Verrall, 1886)
59. *Rhabdomastix eugeni* Stary, 2004
60. *Rhabdomastix filata* Starý, 2004
61. *Rhipidia maculata* Meigen, 1818
62. *Symplecta hybrida* (Meigen, 1804)

**Mycetophilidae**

Records of Armenian fungus gnats are are aslo very few (Joost and Plassmann 1985; Zaitzev 1994).

1. *Allodia retracta* Plassmann, 1976
2. *Exechiopsis pseudindecisa* (Laštovka & Matile, 1974)
3. *Leptomorphus quadrimaculatus* (Matsumura, 1916)
4. *Phronia biarcuata* (Becker, 1908)
5. *Sciophila limbatella* Zetterstedt, 1852

**Pediciidae**

Species of this family have been studied recently in Armenia (Oboňa et al. 2016; Hakobyan and Jenderedjian 2023; Oosterbroek 2025).

1. *Dicranota crassicauda* Tjeder, 1972
2. *Dicranota iranensis* (Alexander, 1975)
3. *Dicranota landrocki* Czižek, 1931
4. *Dicranota subtilis* Loew, 1870
5. *Pedicia occulta* (Meigen, 1830)

**Psychodidae**

Records of this important family of biting sand flies are from two papers (Perfil'ev 1937; Ježek et al. 2018).

1. *Clogmia albipunctata* (Williston, 1893)
2. *Joostiella caucasica* Vaillant, 1983
3. *Logima albipennis* (Zetterstedt, 1850)
4. *Parajungiella abchazica* Ježek, 1985
5. *Paramormia fratercula* (Eaton, 1893)
6. *Paramormia polyascoidea* ((Krek, 1971)
7. *Paramormia ustulata* (Haliday, 1856)
8. *Pericoma blandula* Eaton, 1893
9. *Pericoma bosniaca* Krek, 1966
10. *Pericoma exquisita* Eaton, 1893
11. *Pericoma platystyla* Wagner, 1986
12. *Peripsychoda auriculata* (Haliday, 1839)
13. *Phlebotomus alexandri* Sinton, 1928
14. *Phlebotomus chinensis* Newstead, 1916 [Not in the Jezek list]
15. *Phlebotomus cucasicus* Martsinovsky, 1917 [Correct spelling according to Jezek]

16. *Phlebotomus halepensis* Theodor, 1958
17. *Phlebotomus kandelakii* Shurenkova, 1929
18. *Phlebotomus papatasi* (Scopoli, 1786)
19. *Phlebotomus sergenti* Parrot, 1917
20. *Phlebotomus simici* Nitzulescu, 1931
21. *Phlebotomus similis* Perfil'ev, 1963 (sensu Artemiev & Neronov, 1984)
22. *Phlebotomus syriacus* Adler & Theodor, 1931
23. *Phlebotomus tobbi* Adler, Theodor & Lourie, 1930
24. *Pneumia canescens* (Meigen, 1804)
25. *Pneumia joosti* (Wagner, 1981)
26. *Pneumia nubila* (Meigen, 1818)
27. *Pneumia pilularia* (Tonnoir, 1940)
28. *Psychoda uniformata* Haseman, 1907
29. *Psychodocha cinerea* (Banks, 1894)
30. *Saraiella ressli* ssp. *ressli* Wagner, 1981
31. *Sergentomyia minuta* (Rondani, 1843)
32. *Sergentomyia palestinensis* (Adler & Theodor, 1927)
33. *Sergentomyia pawlowskyi* (Perfiliev, 1933)
34. *Thornburghiella veve* Oboňa &Ježek, 2017
35. *Tinearia alternata* (Say, 1824)
36. *Ulomyia cognata* (Eaton, 1893)
37. *Yomormia petrovi* Ježek,1985

**Ptychopteridae**

The records for this family are from Oboňa et al. (2017).

1. *Ptychoptera alina* Krzemiński & Zwick, 1993
2. *Ptychoptera contaminata* (Linnaeus, 1758)

**Scatopsidae**

The records for this family are from Oboňa et al. (2017).

1. *Efcookella albitarsis* (Zetterstedt, 1850)
2. *Reichertella nigra* (Meigen, 1804)
3. *Swammerdamella brevicornis* (Meigen, 1830)

**Simuliidae**

Many species of biting black flies are of importance in the medical and veterinary fields, and they are also used in the evaluation of the water quality of Armenian rivers. The Armenian fauna has been investigated by Terterian (1968) and in several other works (Soós and Papp 1984; Adler and Werner (2010), summarised in the inventory of world species by Adler (2025).

1. *Greniera nairica* Terteryan, 1972
2. *Metacnephia hajotsdzorensis* (Terteryan, 1962)

3. *Metacnephia hirta* (Rubtsov & Terteryan, 1954)
4. *Metacnephia persica* (Rubtsov, 1940)
5. *Metacnephia subalpina* (Rubtsov, 1956)
6. *Metacnephia terterjani* (Rubtsov, 1955)
7. *Prosimulium tomosvaryi* (Enderlein, 1921)
8. *Prosimulium frontatum* Terteryan, 1956
9. *Prosimulium petrosum* Rubtsov, 1955
10. *Prosimulium rachiliense* Dzhafarov, 1954
11. *Simulium akopi* (Chubareva & Kachvoryan, 2000)
12. *Simulium alajense* Rubtsov, 1938
13. *Simulium alizadei* Dzhafarov, 1954
14. *Simulium angustipes* Edwards, 1915
15. *Simulium armeniacum* (Rubtsov, 1955)
16. *Simulium arpiense* (Terteryan & Kachvoryan, 1982)
17. *Simulium aureofulgens* Terteryan, 1949
18. *Simulium australe* (Rubtsov, 1955)
19. *Simulium azerbaidzhanicum* (Dzhafarov, 1953)
20. *Simulium bergi* Rubtsov, 1956
21. *Simulium bezzii* Corti, 1914
22. *Simulium brachyantherum* Rubtsov, 1947
23. *Simulium bukovskii* Rubtsov, 1940
24. *Simulium chubarevae* Kachvoryan & Terteryan, 1981
25. *Simulium cryophilum* (Rubtsov, 1959)
26. *Simulium debacli* Terteryan, 1952
27. *Simulium delizhanense* (Rubtsov, 1955)
28. *Simulium djafarovi* (Rubtsov, 1962)
29. *Simulium equinum* (Linnaeus, 1758)
30. *Simulium erythrocephalum* (De Geer, 1776)
31. *Simulium flaveolum* Rubtsov, 1940
32. *Simulium fontanum* Terteryan, 1952
33. *Simulium fontium* (Rubtsov, 1955)
34. *Simulium garniense* (Rubtsov, 1955)
35. *Simulium gviletense* (Rubtsov, 1956)
36. *Simulium hiemale* (Rubtsov, 1956)
37. *Simulium kiritshenkoi* (Rubtsov, 1940)
38. *Simulium kurense* Rubtsov & Dzhafarov, 1951
39. *Simulium litshkense* (Rubtsov, 1956)
40. *Simulium margaritae* (Rubtsov, 1956)
41. *Simulium maritimum* (Rubtsov, 1956)
42. *Simulium murvanidzei* (Rubtsov, 1955)
43. *Simulium nigrofusipes* Rubtsov, 1947
44. *Simulium noelleri* Friederichs, 1920
45. *Simulium ocreastylum* (Rubtsov, 1956)
46. *Simulium paraequinum* Puri, 1933
47. *Simulium paucicuspis* (Rubtsov, 1947)
48. *Simulium petricolum* (Rivosecchi, 1963)
49. *Simulium popowae* Rubtsov, 1940
50. *Simulium pseudequinum* Séguy, 1921

51. *Simulium reginae* Terteryan, 1949
52. *Simulium schamili* (Rubtsov, 1964)
53. *Simulium stenophallum* Terteryan, 1952
54. *Simulium tarnogradskii* Rubtsov, 1940
55. *Simulium turgaicum* Rubtsov, 1940
56. *Simulium variegatum* Meigen, 1818
57. *Simulium vernum* Macquart, 1826
58. *Simulium vitile* (Rubtsov, 1955)
59. *Simulium zakhariense* (Rubtsov, 1955)
60. *Sulcicnephia znoikoi* (Rubtsov, 1940)

**Tipulidae**

Records for this family are from Hakobyan and Jenderedjian (2023) and Catalogue of the Craneflies of the World (Oosterbroek 2025).

1. *Nephrotoma analis* (Schummel, 1833)
2. *Nephrotoma cornicina* ssp. *cornicina* (Linnaeus, 1758)
3. *Nephrotoma croceiventris* (Strobl, 1909) ssp. *lindneri* (Mannheims, 1951)
4. *Nephrotoma nox* (Riedel, 1910)
5. *Nephrotoma pratensis* ssp. *pratensis* (Linnaeus, 1758)
6. *Nephrotoma rossica* (Riedel, 1910)
7. *Nephrotoma scalaris* (Meigen, 1818)
8. *Prionocera subserricornis* (Zetterstedt, 1851)
9. *Tipula aurita* Riedel, 1920
10. *Tipula flavolineata* Meigen, 1804
11. *Tipula fulvipennis* De Geer, 1776
12. *Tipula irrequieta* Alexander, 1936
13. *Tipula lateralis* Meigen, 1804
14. *Tipula lunata* Linnaeus, 1758
15. *Tipula luteobasalis* Savchenko, 1964
16. *Tipula macropyga* Savchenko, 1952
17. *Tipula obscuriventris* Strobl, 1900
18. *Tipula orientalis* Lackschewitz, 1930
19. *Tipula osmana* Mannheims, 1963
20. *Tipula peliostigma* Schummel, 1833
21. *Tipula pullata* Savchenko, 1960
22. *Tipula saginata* Bergroth, 1891
23. *Tipula semivittata* Savchenko, 1960
24. *Tipula serrulifera* Alexander, 1942
25. *Tipula stigmatella* Schummel, 1833
26. *Tipula subcunctans* Alexander, 1921
27. *Tipula transcaucasica* Savchenko, 1961
28. *Tipula unca* Wiedemann, 1817
29. *Tipula variicornis* Schummel, 1833
30. *Tipula verrucosa* Pierre, 1920
31. *Tipula zaitzevi* Savchenko, 1952

## Discussion

The Checklist given above is a preliminary one which will provide future researchers with a base-line from which to analyze and add to the Diptera diversity of Armenia and the region. The Caucasus range as a whole remains poorly studied for Diptera. Only a few families of economic or ecological importance such as the Syrphidae, Muscidae and Drosophilidae have received adequate attention from entomologists (Mengual et al. 2020; Murvanidze et al. 2022; Pont and Parchami-Araghi 2024). There are several other families which may also occur in Armenia but as we have not found any published records they are not included in this Checklist. One of the most important families which is not included here is the Syrphidae which is estimated to have 300 species in Armenia (Grigoryan et al., unpublished data). Of the species listed above in the Checklist, only two are listed in the Red Book of Armenia, both from the family Asilidae: *Machimus erevanensis* Richter, 1963, and *Satanas gigas* Eversmann, 1855 (Red Book 2010).

Several families' containing pest species such as the Agromyzidae, Chloropidae, Drosophilidae, Ephydridae, Opomyzidae, Piopilidae, Tephritidae may also be considerably more speciose in Armenia as the records given here are from relatively old sources (Avetyan and Mirzoyan 1976; Mirzoyan 1977). Based on the Checklist, the most diverse family in Armenia is the Bombyliidae with 253 recorded species, followed by the Muscidae with 208 records. Families represented by single species were more common: Anthomyzidae, Curtonotidae, Lauxaniidae, Micropezidae, Phaeomyiidae, Piophilidae, Rhinophoridae, Blephariceridae. Of the families of Diptera listed in the "*Systema Dipterorum*" (Evenhuis and Pape 2025), only 53 have been found in Armenia. However, it is very likely that further families will be found. We noted that in many families (Agromyzidae, Asilidae, Bombyliidae, Chironomidae, Culicidae, Drosophilidae, Ephydridae, Lauxaniidae, Micropezidae, Muscidae, Otitidae, Psilidae, Pyrgotidae, Sarcophagidae, Sciomyzidae, Simuliidae, Syrphidae, Tabanidae, Tachinidae, Ulidiidae) published references gave the species distribution area as "Transcaucasus" or "Caucasus", which we have considered to be too general and have not included in the Checklist.

It has been estimated that the Armenian Diptera fauna should contain approximately 2000 species (CBD 2014), and we confidently expect that future research will lead to the discovery of additional families and species of Armenian Diptera.

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## Additional information

### Conflict of interest

The authors have declared that no competing interests exist.

### Ethical statement

No ethical statement was reported.

### Use of AI

No use of AI was reported.

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### Author contributions

Meri Arzumanyan designed the project and wrote the manuscript, Natela Tarzyan supported the literature review, Björn Rulik supported data coordination and manuscript revision, Adrian Pont performed taxonomic and nomenclatural revisions, data coordination, and reviewed the manuscript.

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### Data availability

All of the data that support the findings of this study are available in the main text or Supplementary Information.

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## Supplementary material 1

### Diptera species list from references

Authors: Meri Arzumanyan, Natela Tarzyan, Björn Rulik, Adrian Pont

Data type: xlsx

Explanation note: This file contains species list extracted from references with their distribution, synonyms and other taxomomic information.

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Link: https://doi.org/10.3897/zookeys.1262.168630.suppl1

## Supplementary material 2

### New records of Diptera with distribution and some collection data

Authors: Meri Arzumanyan, Natela Tarzyan, Björn Rulik, Adrian Pont

Data type: xlsx

Explanation note: List contains 106 Diptera species new records for Armenia, with their distribution and collection data.

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